

Edition 2.5.0

2020-04-06

Introduction

The IENC Feature Catalogue is based on features, attributes and enumerations of following Data Dictionaries

Data Dictionary Name	Token	Owner	Place of Publishment
HYDRO Data Dictionary	HYDRO	IHO	http://registry.iho.int
IENC Data Dictionary	IENC	IEHG	http://registry.iho.int

Used Abbreviations

Feature Ty	/pes	Feature Pr	rimitives
G	Geo	Р	Point
М	Meta	L	Line
С	Cartographic	А	Area
0	Collection	Ν	None
I	Information		

Use of Feature Attribute Bindings

- 0 Optional
- Mandatory Μ
- Conditional mandatory С

Type of Attribute Use

Type of Attribute Use		Type of Attribute Value	
F	Feature	Е	Enumeration
Ν	National	L	List
S	Spatial	F	Float
С	Cartographic	I	Integer
		Т	Text
		S	Structured text

Feature	Accuracy of data		
Acronym:	M_ACCY	Code:	300
Туре:	Μ		
Primitive:	A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: An area within which the best estimate of the overall accuracy of the data is uniform. The overall accuracy takes into account for example the source accuracy, chart scale, digitising accuracy, etc.

acronym	usage	constraints
POSACC	0	unit = "m" decimal digits = "2"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
CATTEV	М	value list = "4,5,6"
INFORM	0	
NINFOM	0	
SOUACC	0	unit = "m" decimal digits = "2"
TXTDSC	0	
NTXTDS	0	
VERACC	0	unit = "m" decimal digits = "1"
HORACC	0	unit = "m" decimal digits = "1"

Feature	Administration Area (Named)		
Acronym:	ADMARE	Code:	1
Туре:	G		
Primitive:	Α		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A defined (and pos	sibly named) adm	inistration area.

acronym	usage	constraints
JRSDTN	М	value list = "1,2,3"
NATION	М	format = "cc"
CONDTN	С	value list = "3"
OBJNAM	М	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	

Feature	Aggregation		
Acronym:	C_AGGR	Code:	400
Туре:	0		
Primitive:	Ν		

Data Dictionary (DD) Reference:

DD Name:	HYDRO	Date accepted:	2000-11-01	
Definition:	Used to identify an	aggregation of two	o or more objects.	This aggregation may be named.

acronym	usage	constraints
NOBJNM	0	
unlocd	С	
OBJNAM	М	
INFORM	0	
NINFOM	0	
NTXTDS	0	
PICREP	0	
SCAMIN	0	min = "1"
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"

Feature	Airport/airfield		
Acronym:	AIRARE	Code:	2
Туре:	G		
Primitive:	P,A		

	Data Dictionary	y ((DD)) Reference:
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DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	An area containing	at least one runwa	ay, used for landing, take-off, and movement of aircraft.

acronym	usage	constraints
CATAIR	0	value list = "1,2,4,6"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
CONDTN	С	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Association		
Acronym:	C_ASSO	Code:	401
Туре:	0		
Primitive:	Ν		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	Used to identify an	association betwe	en two or more objects. The association may be named.

acronym	usage	constraints
NOBJNM	0	
OBJNAM	0	
INFORM	0	
NINFOM	0	
NTXTDS	0	
PICREP	0	
SCAMIN	М	min = "1"
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"

Feature	Beacon, cardinal		
Acronym:	BCNCAR	Code:	5
Туре:	G		
Primitive:	Р		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: A beacon is a prominent, specially constructed object forming a conspicuous mark as a fixed aid to navigation for use in hydrographic survey (IHO Dictionary, S-32, 5th Edition, 420). A cardinal beacon is used in conjunction with the compass to indicate where the mariner may find the best navigable water. It is placed in one of the four quadrants (North, East, South and West), bounded by inter-cardinal bearings from the point marked. (UKHO NP 735, 5th Edition)

acronym	usage	constraints
PICREP	0	
CONDTN	0	value list = "1,2,3,5"
HEIGHT	0	unit = "m" decimal digits = "2"
VERLEN	0	unit = "m" decimal digits = "1"
BCNSHP	М	value list = "1,2,3,4,5,6,7"
CATCAM	М	value list = "1,2,3,4"
COLOUR	М	value list = "2,6"
COLPAT	М	value list = "1"
MARSYS	С	value list = "1,2"
INFORM	0	
NINFOM	0	
OBJNAM	0	
NOBJNM	0	
CONRAD	0	value list = "3"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
DATSTA	0	format = "ccyymmdd"

acronym	usage	constraints
DATEND	0	format = "ccyymmdd"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
TXTDSC	0	
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Beacon, isolated danger		
Acronym:	BCNISD	Code:	6
Туре:	G		
Primitive:	Р		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A beacon, is a prominent specially constructed object forming a conspicuous mark as a fixed aid to navigation or for use in hydrographic survey (IHO Dictionary, S-32, 5th Edition, 420). An isolated danger beacon is a beacon erected on an isolated danger of limited extent, which has navigable water all around it. (UKHO NP 735, 5th Edition)

acronym	usage	constraints
BCNSHP	М	value list = "1,2,3,4,5"
COLOUR	М	value list = "2,3"
COLPAT	М	value list = "1"
CONRAD	0	value list = "3"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"

acronym	usage	constraints
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Beacon, lateral		
Acronym:	BCNLAT	Code:	7
Туре:	G		
Primitive:	P		

DD Name:	HYDRO	Date accepted:	2000-11-01
DD Hamo.	1110100	Bale accopica.	2000 11 01

Definition: A beacon, is a prominent specially constructed object forming a conspicuous mark as a fixed aid to navigation or for use in hydrographic survey (IHO Dictionary, S-32, 5th Edition, 420). A lateral beacon, is used to indicate the port or starboard hand side of the route to be followed. They are generally used for well defined channels and are used in conjunction with a conventional direction of buoyage. (UKHO NP 735, 5th Edition)

acronym	usage	constraints
BCNSHP	М	value list = "1"
CATLAM	М	value list = "1,2"
COLOUR	М	value list = "1,2,3,4"
COLPAT	С	value list = "1"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"

acronym	usage	constraints
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Beacon, safe water		
Acronym:	BCNSAW	Code:	8
Туре:	G		
Primitive:	Р		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: A safe water beacon is a prominent specially constructed object forming a conspicuous mark as a fixed aid to navigation or for use in hydrographic survey (IHO Dictionary, S-32, 5th Edition, 420). A safe water beacon may be used to indicate that there is navigable water around the mark. (UKHO NP735, 5th Edition)

usage	constraints
0	
0	value list = "1,2,3,5"
0	unit = "m" decimal digits = "2"
0	unit = "m" decimal digits = "1"
М	value list = "1,2,3,4,5,6,7"
М	value list = "1,3"
М	value list = "2"
С	value list = "1,2"
0	value list = "3"
0	
0	
0	
0	
0	
0	
0	format = "ccyymmdd"
0	format = "ccyymmdd"
0	format = "ccyymmdd"

acronym	usage	constraints
PEREND	0	format = "ccyymmdd"
STATUS	0	value list = "2,3,4,5,8,9,12,14,16,17,18"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c""

Feature	Beacon, special purpose/general		
Acronym:	BCNSPP	Code:	9
Туре:	G		
Primitive:	Р		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: A beacon, is a prominent specially constructed object forming a conspicuous mark as a fixed aid to navigation or for use in hydrographic survey (IHO Dictionary, S-32, 5th Edition, 420). A special purpose beacon is primarily used to indicate an area or features, the nature of which is apparent from reference to a chart, Sailing Directions or Notices to Mariners. (UKHO NP 735, 5th Edition). Beacon in general: A beacon whose appearance or purpose is not adequately known.

acronym	usage	constraints
MARSYS	С	value list = "1,2"
CONDTN	0	value list = "1,2,3,5"
COLPAT	0	value list = "1,2,3,4,5,6"
HEIGHT	0	unit = "m" decimal digits = "2"
VERLEN	0	unit = "m" decimal digits = "1"
BCNSHP	М	value list = "1,2,3,4,5,6,7"
CATSPM	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34 ,35,36,37,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56"
COLOUR	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
CONRAD	М	value list = "3"
OBJNAM	0	
NOBJNM	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
INFORM	0	

acronym	usage	constraints
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
NTXTDS	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
STATUS	0	value list = "5"

Feature	Building, single		
Acronym:	BUISGL	Code:	12
Туре:	G		
Primitive:	P,A		

- DD Name: HYDRO Date accepted: 2000-11-01
- Definition: A relatively permanent structure, roofed and usually walled. It is designed for some particular use which it may be important to indicate. (Digital Geographic Information Working Group, Oct.87)

acronym	usage	constraints
CONVIS	0	value list = "1,2"
FUNCTN	С	value list = "2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,3 5,36,37,38,39,40,41,42"
CONDTN	0	value list = "1,2,3,4,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Built-up area		
Acronym:	BUAARE	Code:	13
Туре:	G		
Primitive:	P,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	An area containing	a concentration of	f buildings and the supporting road or rail infrastructure.

acronym	usage	constraints
CATBUA	0	value list = "1,2,3,4,5"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
unlocd	С	

Feature	Buoy, cardinal		
Acronym:	BOYCAR	Code:	14
Туре:	G		
Primitive:	P		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: A buoy, is a floating object moored to the bottom in a particular place, as an aid to navigation or for other specific purposes. (IHO Dictionary S-32 5th Edition, 565). A cardinal buoy, is used in conjunction with the compass to indicate where the mariner may find the best navigable water. It is placed in one of the four quadrants (North, East, South and West), bounded by inter-cardinal bearings from the point marked. (UKHO NP 735, 5th Edition)

acronym	usage	constraints
BOYSHP	М	value list = "1,2,3,4,5,6,8"
CATCAM	М	value list = "1,2,3,4"
COLOUR	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
COLPAT	С	value list = "1,2,3,4,5,6"
CONRAD	0	value list = "3"
MARSYS	С	value list = "1,2"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
NOBJNM	С	
OBJNAM	С	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	

acronym	usage	constraints
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
mmsico	0	format = "xxxxxxxxx"
STATUS	0	value list = "5"

Feature	Buoy, isolated danger		
Acronym:	BOYISD	Code:	16
Туре:	G		
Primitive:	Р		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A buoy is a floating object moored to the bottom in a particular place, as an aid to navigation or for other specific purposes. (IHO Dictionary S-32 5th Edition, 565). An isolated danger buoy is a buoy moored on or above an isolated danger of limited extent, which has navigable water all around it. (UKHO NP 735, 5th Edition)

acronym	usage	constraints
BOYSHP	М	value list = "4,5"
COLOUR	М	value list = "2,3"
COLPAT	М	value list = "1"
CONRAD	0	value list = "3"
MARSYS	С	value list = "1,2"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
NOBJNM	С	
OBJNAM	С	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"

acronym	usage	constraints
NTXTDS	0	
mmsico	0	format = "xxxxxxxxx"
STATUS	0	value list = "5"

Feature	Buoy, lateral		
Acronym:	BOYLAT	Code:	17
Туре:	G		
Primitive:	Р		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: A buoy, is a floating object moored to the bottom in a particular place, as an aid to navigation or for other specific purposes. (IHO Dictionary, S-32, 5th Edition, 565). A lateral buoy, is used to indicate the port or starboard hand side of the route to be followed. They are generally used for well defined channels and are used in conjunction with a conventional direction of buoyage. (UKHO NP 735, 5th Edition)

acronym	usage	constraints
BOYSHP	М	value list = "1,2,3,4,5,6,8"
CATLAM	М	value list = "1,2,3,4"
COLOUR	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
COLPAT	С	value list = "1,2,3,4,5,6"
CONRAD	0	value list = "3"
MARSYS	С	value list = "1,2"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
NOBJNM	С	
OBJNAM	С	
INFORM	0	
NINFOM	0	
SCAMIN	Μ	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"

acronym	usage	constraints
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
typatn	0	value list = "1,2,3"
mmsico	0	format = "xxxxxxxxx"
STATUS	0	value list = "5"

Feature	Buoy, safe water		
Acronym:	BOYSAW	Code:	18
Туре:	G		
Primitive:	P		

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: A buoy, is a floating object moored to the bottom in a particular place, as an aid to navigation or for other specific purposes. (IHO Dictionary, S-32, 5th Edition, 565). A safe water buoy, is used to indicate that there is navigable water around the mark. (UKHO NP735, 5th Edition)

acronym	usage	constraints
BOYSHP	М	value list = "1,2,3,4,5,6,8"
COLOUR	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
COLPAT	М	value list = "1,2,3,4,5,6"
CONRAD	С	value list = "3"
MARSYS	С	value list = "1,2"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"

acronym	usage	constraints
NTXTDS	0	
mmsico	0	format = "xxxxxxxxx"
STATUS	0	value list = "5"

Feature	Buoy, special purpose/general		
Acronym:	BOYSPP	Code:	19
Туре:	G		
Primitive:	Р		

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: A buoy, is a floating object moored to the bottom in a particular place, as an aid to navigation or for other specific purposes. (IHO Dictionary, S-32, 5th Edition, 565). A special purpose buoy, is primarily used to indicate an area or feature, the nature of which is apparent from reference to a chart, Sailing Directions or Notices to Mariners. (UKHO NP 735, 5th Edition). Buoy in general: A buoy, whose appearance or purpose is not adequately known.

acronym	usage	constraints
BOYSHP	М	value list = "1,2,3,4,5,6,8"
CATSPM	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34 ,35,36,37,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56"
COLOUR	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
COLPAT	С	value list = "1,2,3,4,5,6"
CONRAD	0	value list = "3"
MARSYS	С	value list = "1,2"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	

acronym	usage	constraints
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
typatn	0	value list = "1,2,3"
mmsico	0	format = "xxxxxxxx"
STATUS	0	value list = "5"

Feature	Cable area		
Acronym:	CBLARE	Code:	20
Туре:	G		
Primitive:	A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	An area which cont	tains one or more	submarine cables.

acronym	usage	constraints
CATCBL	0	value list = "1,3,4,5,6"
STATUS	С	value list = "5,18"
RESTRN	0	value list = "1,38"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"

Feature	Cable, submarine		
Acronym:	CBLSUB	Code:	22
Туре:	G		
Primitive:	L		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: An assembly of wires or fibres, or a wire rope or chain which has been laid underwater or buried beneath the seabed (Hydrographic Service, Royal Australian Navy)

acronym	usage	constraints
CATCBL	0	value list = "1,3,4,5,6"
STATUS	С	value list = "5,18"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Canal	
Acronym:	CANALS	Code: 2
Туре:	G	
Primitive:	L,A	

DD Name: HYDRO Date accepted: 2000-11-01

Definition: An artificial waterway with no flow, or a controlled flow, used for navigation, or for draining or irrigating land (ditch). (United States Geological Survey, Jan.89)

acronym	usage	constraints
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	

Feature	Cargo Transhipment Area		
Acronym:	CTSARE	Code:	25
Туре:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: An area designated for the transfer of cargo from one vessel to another. (adapted from IHO Dictionary, S-32, 5th Edition, 5593).

acronym	usage	constraints
OBJNAM	0	
NOBJNM	0	
DATEND	0	format = "ccyymmdd"
DATSTA	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
INFORM	0	
NINFOM	0	
STATUS	0	value list = "2,4,5"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
TXTDSC	0	
NTXTDS	0	
PICREP	0	

Feature	Causeway		
Acronym:	CAUSWY	Code:	26
Туре:	G		
Primitive:	L,A		

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DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A raised way acros	s low or wet grour	nd or water. (IHO Dictionary, S-32, 5th Edition, 662)

acronym	usage	constraints
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
CONDTN	0	value list = "1,2,3,5"
WATLEV	М	value list = "2,4"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
TXTDSC	0	
NTXTDS	0	
PICREP	0	

Feature	Caution area		
Acronym:	CTNARE	Code:	27
Туре:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: Generally, an area where the mariner has to be made aware of circumstances influencing the safety of navigation.

acronym	usage	constraints
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
NOBJNM	0	
OBJNAM	0	
INFORM	М	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	value list = "5"

Feature	Coact	guard station
realule	Coast	Juaru Station
Acronym:	CGUS	TA Code: 2
Туре:	G	
Primitive:	Р	
Data Diction		
DD Name:	HYDRO	Date accepted: 2000-11-01
Definition:		eping stations at which a watch is kept either continuously, or at certain times only. (IHO Chart ions, M-4)
<u>Attribute Bir</u>	ndings:	
acronym	usage	constraints
СОМСНА	М	format = "[[XXXX];[XXXX];]"
OBJNAM	0	
NOBJNM	0	
STATUS	С	value list = "1,2,3,4,5,6,7,8,9,11,12,13,14,15,16,17,18"
INFORM	0	
NINFOM	0	
TXTDSC	0	
NTXTDS	0	
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
PICREP	0	

Feature	Coastline	
Acronym:	COALNE	Code: 30
Туре:	G	
Primitive:	L	

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The line where shore and water meet. Although the terminology of coasts and shores is rather confused, shoreline and coastline are generally used as synonyms. (IHO Dictionary, S-32, 5th Edition, 858,4695)

acronym	usage	constraints
CATCOA	0	value list = "1,2,3,4,5,6,7,8,9,10,11"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
HORACC	0	decimal digits = "2" unit = "m"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Conveyor		
Acronym:	CONVYR	Code:	34
Туре:	G		
Primitive:	L,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A mechanical apparatus for moving bulk material or people from place to place (as by a moving belt or chain of receptacles).

acronym	usage	constraints
CATCON	М	value list = "2"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PRODCT	0	value list = "1,2,3,4,5,6,7,8,14,15,17,21,22"
VERCLR	0	unit = "m" decimal digits = "2"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
vcrlev	0	
vcrval	0	unit = "m" decimal digits = "2"
HORACC	0	unit = "m" decimal digits = "2"

acronym	usage	constraints
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	

Feature	Coverage		
Acronym:	M_COVR	Code:	302
Туре:	Μ		
Primitive:	A		

Data Diction	nary (DD) Reference	<u>ə:</u>	
DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: A geographical area that describes the coverage and extent of spatial objects.

acronym	usage	constraints
CATCOV	М	value list = "1,2"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"

Feature	Crane		
Acronym:	CRANES	Code:	35
Туре:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A machine for lifting, shifting and lowering objects or materials by means of a swinging boom or with a lifting apparatus supported on an overhead track. (Digital Geographic Information Working Group, Oct.87)

acronym	usage	constraints
CATCRN	0	value list = "2,3,4,5"
VERCLR	0	unit = "m" decimal digits = "2"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
vcrlev	0	
vcrval	0	unit = "m" decimal digits = "2"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Dam	
Acronym:	DAMCON	Code: 38
Туре:	G	
Primitive:	L,A	

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A barrier to check or confine anything in motion; particularly one constructed to hold back water and raise its level to form a reservoir, or to prevent flooding. (IHO Dictionary, S-32, 5th Edition, 1196)

acronym	usage	constraints
CATDAM	М	value list = "1,2,3"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
NATCON	0	value list = "1,2,3,4,5,6,7,8,9"
CONDTN	0	value list = "1,2,3,5"
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
OBJNAM	0	
NOBJNM	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Daymark	
Acronym:	DAYMAR	Code:
Туре:	G	
Primitive:	Р	

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: The identifying characteristics of an aid to navigation which serve to facilitate its recognition against a daylight viewing background. On those structures that do not by themselves present an adequate viewing area to be seen at the required distance, the aid is made more visible by affixing a daymark to the structure. A daymark so affixed has a distinctive colour and shape depending on the purpose of the aid. (IHO Dictionary, S-32, 5th Edition, 1248)

acronym	usage	constraints
COLOUR	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
COLPAT	С	value list = "1,2,3,4,5,6"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
TOPSHP	М	value list = "1-33"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	Μ	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"

acronym	usage	constraints
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Depth area		
Acronym:	DEPARE	Code:	42
Туре:	G		
Primitive:	A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A depth area is a w	ater area whose d	lepth is within a defined range of values.

acronym	usage	constraints
DRVAL1	М	unit = "m" decimal digits = "2"
DRVAL2	М	unit = "m" decimal digits = "2"
INFORM	С	
NINFOM	0	
QUASOU	С	value list = "1,2,8,10,11"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Depth contour	
Acronym:	DEPCNT	Code: 43
Туре:	G	
Primitive:	L	

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: A line connecting points of equal water depth which is sometimes significantly displaced outside of soundings, symbols and other chart detail for clarity as well as generalization. Depth contours, therefore, often represent an approximate location of the line of equal depth as related to the surveyed line delineated on the source. Also referred to as depth curve. (IHO Dictionary, S-32, 5th Edition, 1314, 1315)

acronym	usage	constraints
VALDCO	М	unit = "m" decimal digits = "2"
SCAMIN	Μ	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
PICREP	0	
INFORM	0	
NINFOM	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Dredg	ed area
Acronym:	DRGA	ARE Code: 46
Туре:	G	
Primitive:	А	
Data Dictio	nary (DD) F	Reference:
DD Name:	HYDRO	Date accepted: 2000-11-01
Definition:	An area o Edition, 1	of the bottom of a body of water which has been deepened by dredging. (IHO Dictionary, S-32, 5th
	a dia man	
<u>Attribute Bi</u>	<u>naings:</u>	
acronym	usage	constraints
DRVAL1	Ο	unit = "m" decimal digits = "2"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
TXTDSC	0	
NTXTDS	0	
PICREP	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"

CATTEV

0

value list = "4,5,6"

Feature	Dry dock		
Acronym:	DRYDOC	Code:	47
Туре:	G		
Primitive:	A		

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: An artificial basin fitted with a gate or caisson, into which vessels can be floated and the water pumped out to expose the vessel's bottom. Also called graving dock. (IHO Dictionary, S-32, 5th Edition, 1426)

acronym	usage	constraints
DRVAL1	0	unit = "m" decimal digits = "2"
HORCLR	0	unit = "m" decimal digits = "2"
HORLEN	0	unit = "m" decimal digits = "2"
HORWID	0	unit = "m" decimal digits = "2"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	Ο	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Dumping ground		
Acronym:	DMPGRD	Code:	48
Туре:	G		
Primitive:	A		

	DD Name:	HYDRO	Date accepted:	2010-09-08
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Definition: A sea area where dredged material or other potentially more harmful material, e.g. explosives, chemical waste, is deliberately deposited. (Derived from IHO Chart Specifications, M-4).

acronym	usage	constraints
CATDPG	М	value list = "2,4,5"
RESTRN	С	value list = "1,3,5,7,8,24"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
TXTDSC	0	
NTXTDS	0	
PICREP	0	

Feature	Dyke		
Acronym:	DYKCON	Code:	49
Туре:	G		
Primitive:	L,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: A dyke (or dike) is an artificial embankment to contain or hold back water.(IHO Dictionary, S-32, 5th Edition, 1361)

acronym	usage	constraints
HEIGHT	0	unit = "m" decimal digits = "2"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Fairway		
Acronym:	FAIRWY	Code:	51
Туре:	G		
Primitive:	Α		

DD Name:	HYDRO	Date accepted:	2000-11-01
DD Hamo.	1110100	Date accoption.	2000 11 01

Definition: That part of a river, harbour and so on, where the main navigable channel for vessels of larger size lies. It is also the usual course followed by vessels entering or leaving harbours, called 'ship channel'. (International Maritime Dictionary, 2nd Ed.)

acronym	usage	constraints
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	

Feature	Fence/wall		
Acronym:	FNCLNE	Code:	52
Туре:	G		
Primitive:	L		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: A natural or man-made barrier used as an enclosure or boundary or for protection. (adapted from Digital Geographic Information Working Group, Oct.1987)

acronym	usage	constraints
CATFNC	М	value list = "1,4"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Ferry route	
Acronym:	FERYRT	Code: 5
Туре:	G	
Primitive:	L	

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: A route in a body of water where a ferry crosses from one shoreline to another. (Digital Geographic Information Working Group, Oct.87)

acronym	usage	constraints
CATFRY	М	value list = "1,2"
STATUS	С	value list = "2,3,4,5,8,9,12,14,16,17"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
unlocd	С	

Feature	Fishing facility		
Acronym:	FSHFAC	Code:	55
Туре:	G		
Primitive:	P,L,A		

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: A structure in shallow water for fishing purposes which can be an obstruction to ships in general. The position of these structures may vary frequently over time.

acronym	usage	constraints
CATFIF	0	value list = "1,2,3,4"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
STATUS	С	value list = "2,4,5"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
VERLEN	0	unit = "m" decimal digits = "1"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
TXTDSC	0	
NTXTDS	0	
PICREP	0	

Feature	Floating dock		
Acronym:	FLODOC	Code:	57
Туре:	G		
Primitive:	A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A form of dry dock consisting of a floating structure of one or more sections which can be partly submerged by controlled flooding to receive a vessel, then raised by pumping out the water so that the vessel's bottom can be exposed. (IHO Dictionary, S-32, 5th Edition, 1427)

acronym	usage	constraints
DRVAL1	0	unit = "m" decimal digits = "2"
HORCLR	0	unit = "m" decimal digits = "2"
HORLEN	0	unit = "m" decimal digits = "2"
HORWID	0	unit = "m" decimal digits = "2"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
sdrlev	0	
sdrval	0	unit = "m" decimal digits = "2"

acronym	usage	constraints
vcrlev	0	
vcrval	0	unit = "m" decimal digits = "2"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	

Feature	Fog signal		
Acronym:	FOGSIG	Code:	58
Туре:	G		
Primitive:	Ρ		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: A warning signal transmitted by a vessel, or aid to navigation, during periods of low visibility. Also, the device producing such a signal. (IHO Dictionary, S-32, 5th Edition, 1890)

acronym	usage	constraints
CATFOG	М	value list = "1,2,3,4,5,6,7,8,9,10"
SIGFRQ	Ο	unit = "Hz" min = "0"
SIGGEN	0	value list = "1,2"
SIGGRP	С	format = "(c)(c)"
SIGPER	С	unit = "s" decimal digits = "2"
SIGSEQ	С	format = "LL.L + (EE.E)"
VALMXR	0	unit = "nm" decimal digits = "1"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	Ο	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"

acronym	usage	constraints
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Fortified Structure		
Acronym:	FORSTC	Code:	59
Туре:	G		
Primitive:	P,L,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A structure for the	military defence of	a site.

acronym	usage	constraints
CATFOR	М	value list = "1,2,3,4,5,6"
CONDTN	0	value list = "2"
CONVIS	0	value list = "1,2"
NATCON	0	value list = "1,2,6,7"
OBJNAM	0	
NOBJNM	0	
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
TXTDSC	0	
NTXTDS	0	
PICREP	0	

Feature	Free port area		
Acronym:	FRPARE	Code:	60
Туре:	G		
Primitive:	Α		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A port where certain import and export duties are waived (unless goods pass into the country) to facilitate reshipment to other countries. (IHO Dictionary, S-32, 5th Edition, 1927)

acronym	usage	constraints
CONDTN	Ο	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Gate		
Acronym:	GATCON	Code:	61
Туре:	G		
Primitive:	L,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A structure that may be swung, drawn, or lowered to block an entrance or passageway. (United States Geological Survey, Jan.89)

acronym	usage	constraints
CATGAT	М	value list = "4"
HORCLR	М	unit = "m" decimal digits = "2"
VERCLR	0	unit = "m" decimal digits = "2"
VERDAT	0	value list = "4,23,30"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
unlocd	С	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
vcrlev	0	
vcrval	0	unit = "m" decimal digits = "2"
HORACC	0	unit = "m" decimal digits = "2"

acronym	usage	constraints
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Gridiron		
Acronym:	GRIDRN	Code:	62
Туре:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A structure in the intertidal zone serving as a support for vessels at low stages of the tide to permit work on the exposed portion of the vessel's hull. Also called careening grid. (adapted from IHO Dictionary, S-32, 5th Edition, 649)

acronym	usage	constraints
HORLEN	0	unit = "m" decimal digits = "1"
HORWID	0	unit = "m" decimal digits = "1"
VERLEN	0	unit = "m" decimal digits = "1"
NATCON	0	value list = "2,6"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
STATUS	0	value list = "4,8,14"
CONDTN	0	value list = "1,2,5"
WATLEV	0	value list = "3,4"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
PICREP	Ο	
TXTDSC	0	
NTXTDS	0	

Feature	Harbour facility		
Acronym:	HRBFAC	Code:	64
Туре:	G		
Primitive:	P,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A harbour installation	on with a service c	or commercial operation of public interest.

acronym	usage	constraints
CATHAF	М	value list = "5"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	М	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Hulk		
Acronym:	HULKES	Code:	65
Туре:	G		
Primitive:	A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A permanently moored ship.		

acronym	usage	constraints
CATHLK	М	value list = "1,2,3,4,5"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Lake		
Acronym:	LAKARE	Code:	69
Туре:	G		
Primitive:	Α		

Data Dictionary (DD) Reference:

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A large body of wat	ter entirely surrour	nded by land. (IHO Dictionary, S-32, 5th Edition, 2629)

acronym	usage	constraints
OBJNAM	0	
NOBJNM	Ο	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Land area		
Acronym:	LNDARE	Code:	71
Туре:	G		
Primitive:	P,L,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	The solid portion of	f the Earth's surfac	ce, as opposed to sea, water. (IHO Dictionary, S-32, 5th Edition, 2635)

acronym	usage	constraints
,		
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	

Feature	Land region		
Acronym:	LNDRGN	Code:	73
Туре:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: An area of natural scenery on land. It is defined by its geographical characteristics and may be known by its proper name.

acronym	usage	constraints
CONDTN	С	value list = "1,2,3,5"
OBJNAM	М	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
CATLND	0	value list = "2,9,11,12"

Feature	Landmark		
Acronym:	LNDMRK	Code:	74
Туре:	G		

Primitive: P,A

Data Dictionary (DD) Reference:

DD Name: HYDRO	Date accepted:	2000-11-01
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Definition: A prominent object at a fixed location which can be used in determining a location or a direction. (adapted from IHO Dictionary, S-32, 5th Edition, 2643).

acronym	usage	constraints
CATLMK	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22"
CONVIS	М	value list = "1"
FUNCTN	С	value list = "2-42"
CONDTN	0	value list = "1,2,3,4,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
VERLEN	0	unit = "defined in hunits" decimal digits = "1"
COLOUR	0	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"

Feature	Light	
Acronym:	LIGHTS	Code: 75
Туре:	G	
Primitive:	Р	

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A luminous or light	ed aid to navigatio	n. (adapted from IHO Dictionary, S-32, 5th Edition, 2766)

acronym	usage	constraints
CATLIT	С	value list = "1,4,5,6,12,13,14,15"
COLOUR	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
EXCLIT	С	value list = "1,2,3,4"
LITCHR	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,25,26,27,28,29"
LITVIS	С	value list = "3,4,7,8"
MLTYLT	С	min = "2"
ORIENT	С	unit = "deg" decimal digits = "2"
SECTR1	С	unit = "deg" decimal digits = "2"
SECTR2	С	unit = "deg" decimal digits = "2"
SIGGRP	С	format = "(c)(c)"
SIGPER	С	unit = "s" decimal digits = "2"
SIGSEQ	С	format = "LL.L + (EE.E)"
STATUS	С	value list = "2,3,4,5.8,9,12,14,16,17"
CONDTN	С	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	С	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	

acronym	usage	constraints
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
HEIGHT	0	unit = "defined in hunits" decimal digits = "1"
VALNMR	0	

Feature	Magnetic Variation		
Acronym:	MAGVAR	Code:	81
Туре:	G		
Primitive:	P,L,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The angle between the magnetic and geographic (true) north at a location, expressed in degrees east or west from the direction of true north

acronym	usage	constraints
NTXTDS	0	
VALMAG	М	format = "sxx.xx"
VALACM	М	format = "sxx.xx"
RYRMGV	М	format = "ccyy"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"

Feature	Marine farm/culture		
Acronym:	MARCUL	Code:	82
Туре:	G		
Primitive:	P,L,A		

DD Name:	HYDRO	Date accepted:	2010-08-12
DD Name:	HYDRO	Date accepted:	2010-08-12

Definition: An assemblage of cages, nets, rafts and floats or posts where fish, including shellfish, are artificially cultivated.

acronym	usage	constraints
CATMFA	М	value list = "1,2,3,4"
EXPSOU	С	value list = "1,2,3"
VALSOU	С	
QUASOU	0	value list = "1,2,3,4,6,7,8,9"
SOUACC	С	unit = "m" decimal digits = "2"
WATLEV	С	value list = "1,2,3,4,5,7"
STATUS	С	value list = "2,4,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
PICREP	0	

acronym	usage	constraints
TXTDSC	0	
NTXTDS	0	

Feature	Military practice area		
Acronym:	MIPARE	Code:	83
Туре:	G		
Primitive:	P,A		

DD Name:	HYDRO	Date accepted:	2000-11-01	
Definition:	An area within wh	nich naval, military o	r aerial exercises are carried out.	Also called an exercise area.

acronym	usage	constraints
RESTRN	0	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,14,,2715,16,17,18,19,20,21,22,23,24,25,26"
CATMPA	0	value list = "2,3,4,5,6"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
NTXTDS	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
STATUS	0	value list = "2,4,5"

Feature	Mooring/Warping facility		
Acronym:	MORFAC	Code:	84
Туре:	G		
Primitive:	P,L,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	The equipment or	structure used to s	secure a vessel (adapted from IHO Dictionary, S-32, 5th Edition, 3322)

acronym	usage	constraints
CATMOR	М	value list = "1,2,3,4,5,7"
NATCON	0	value list = "1,2,3,4,5,6,7,8,9"
WATLEV	0	value list = "1,2,3,4,5"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
COLOUR	0	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
BOYSHP	С	value list = "2,3,7"

acronym	usage	constraints
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	value list = "5"

Feature	Nautical Publication Information		
Acronym:	M_NPUB	Code:	305
Туре:	М		
Primitive:	Α		
Data Dictiona	ary (DD) Reference:		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	Used to relate ac	ditional nautical info	rmation or publications to the data.

acronym	usage	constraints
TXTDSC	Μ	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	Ο	

Feature	Navigation line		
Acronym:	NAVLNE	Code:	85
Туре:	G		
Primitive:	L		

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: A navigation line is a straight line extending towards an area of navigational interest and generally generated by two navigational aids or one navigational aid and a bearing. (Service Hydrographique et Océanographique de la Marine, France)

acronym	usage	constraints
CATNAV	С	value list = "1,2,3"
ORIENT	М	unit = "deg" decimal digits = "2"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	Ο	
TXTDSC	0	
DATSTA	Ο	format = "ccyymmdd"
DATEND	Ο	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	Ο	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	Ο	
STATUS	0	value list = "5"

Feature	New Object		
Acronym:	NEWOBJ	Code: 1	163
Туре:	G		
Primitive:	Р		

DD Name:	HYDRO	Date accepted:	2012-01-01
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Definition: A new feature specified by the IMO and that affects safety of navigation which cannot adequately be encoded by any existing object class for use in an S-57 data set.

acronym	usage	constraints
CLSNAM	М	
CLSDEF	М	
SYMINS	М	
DATEND	0	format = "ccyymmdd"
DATSTA	0	format = "ccyymmdd"
INFORM	М	
NINFOM	0	
OBJNAM	0	
NOBJNM	0	
TXTDSC	0	
NTXTDS	0	
PEREND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
PICREP	0	
mmsico	Ο	format = "xxxxxxxxx"
STATUS	0	value list = "5"

Feature	Obstruction		
Acronym:	OBSTRN	Code:	86
Туре:	G		
Primitive:	P,L,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: In marine navigation, anything that hinders or prevents movement, particularly anything that endangers or prevents passage of a vessel. The term is usually used to refer to an isolated danger to navigation... (IHO Dictionary, S-32, 5th Edition, 3503)

acronym	usage	constraints
CATOBS	0	value list = "1,2,3,4,5,6,7,8,9,10,11"
NATSUR	С	value list = "9"
VALSOU	С	unit = "m" decimal digits = "2"
WATLEV	С	value list = "1,2,3,4,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
EXPSOU	С	value list = "1,2,3"
NATCON	0	value list = "1,2,3,4,6,7,8"
QUASOU	0	value list = "2,6,7,8"
HORACC	0	unit = "m" decimal digits = "2"

acronym	usage	constraints
VERACC	Ο	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Offshore platform		
Acronym:	OFSPLF	Code:	87
Type:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A permanent offshore structure, either fixed or floating, used in the production of oil or natural gas. (IHO Dictionary, S-32, 5th Edition, 3895)

acronym	usage	constraints
INFORM	0	
NINFOM	0	
CATOFP	М	value list = "1,2,3,4,5,6,7,9"
COLOUR	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
COLPAT	0	value list = "1,2,3,4,5,6"
CONDTN	0	value list = "1,2,5"
CONRAD	0	value list = "1,2,3"
CONVIS	0	value list = "1,2"
HEIGHT	0	unit = "m" decimal digits = "2"
NATCON	0	value list = "2,7,8"
OBJNAM	0	
NOBJNM	0	
PRODCT	0	value list = "1,2,18,19"
STATUS	0	value list = "2,4,7,12,16,17"
VERLEN	0	unit = "m" decimal digits = "1"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
DATSTA	0	format = "ccyymmdd"

acronym	usage	constraints
DATEND	0	format = "ccyymmdd"
PICREP	0	
TXTDSC	0	
NTXTDS	0	

Feature	Offshore production area		
Acronym:	OSPARE	Code:	88
Туре:	G		
Primitive:	A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	An area off or away	/ from the shore w	ithin which there are production facilities.

acronym	usage	constraints
INFORM	0	
NINFOM	0	
CATPRA	Μ	value list = "4,9"
CONDTN	0	value list = "1,2,3,4,5"
CONRAD	0	value list = "1,2,3"
CONVIS	0	value list = "1,2"
NATCON	0	value list = "2,7,8"
OBJNAM	0	
NOBJNM	0	
RESTRN	М	value list = "1,2,7,8,14"
STATUS	0	value list = "2,4,7,12,16,17"
VERLEN	0	unit = "m" decimal digits = "1"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PICREP	0	
TXTDSC	0	
NTXTDS	Ο	

acronym	usage	constraints
HEIGHT	Ο	unit = "m" decimal digits = "2"

Feature	Oil barrier		
Acronym:	OILBAR	Code:	89
Туре:	G		
Primitive:	L		

Data Dictionary (DD) Reference:

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A construction to da	am oil flow on wate	er.

acronym	usage	constraints
CATOLB	0	value list = "1,2"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	Ο	

Feature	Pile	
Acronym:	PILPNT	Code: 90
Туре:	G	
Primitive:	Ρ	

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A long heavy timber or section of steel, wood, concrete, etc.. forced into the earth which may serve as a support, as for a pier, or a free standing pole within a marine environment. (Adapted from IHO Dictionary, S-32, 5th Edition, 3840)

"1" "1"

acronym	usage	constraints
CONDTN	0	value list = "1,2,3,5"
OBJNAM	С	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
VERLEN	0	unit = "defined in hunits" decimal digits = "1
HEIGHT	0	unit = "defined in hunits" decimal digits = "1
COLOUR	0	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
COLPAT	С	value list = "1,2,3,4,5,6"
HORACC	0	unit = "m" decimal digits = "2"

acronym	usage	constraints
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	

Feature	Pilot boarding place		
Acronym:	PILBOP	Code:	91
Туре:	G		
Primitive:	P,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	The meeting place	to which the pilot	comes out. (IHO Chart Specifications, M-4)

acronym	usage	constraints
CATPIL	0	value list = "1,2,3"
COMCHA	0	format = "[[XXXX];[XXXX];]"
PILDST	0	
NPLDST	0	
OBJNAM	0	
NOBJNM	0	
STATUS	С	value list = "1,2,3,4,5,6,7,8,9,11,12,13,14,15,16,17,18"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
INFORM	0	
NINFOM	0	
TXTDSC	0	
NTXTDS	0	
PICREP	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"

Feature	Pipeline area		
Acronym:	PIPARE	Code:	92
Туре:	G		
Primitive:	A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	An area containing	one or more pipel	ines.

acronym	usage	constraints
CATPIP	0	value list = "2,3,4,6"
PRODCT	0	value list = "1,2,3,4,5,6,7,8,14,15,17,21,22"
RESTRN	М	value list = "1,38"
STATUS	С	value list = "18"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	Μ	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Pipeline, submarine/on land		
Acronym:	PIPSOL	Code:	94
Туре:	G		
Primitive:	P,L		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A pipeline is a string of interconnected pipes used for the transport of matter, nowadays mainly oil or gas. (IHO Dictionary, S-32, 5th Edition, 3857). A submarine or land pipeline is a pipeline lying on or buried under the seabed or the land.

acronym	usage	constraints
CATPIP	0	value list = "2,3,4,6"
PRODCT	0	value list = "1,2,3,4,5,6,7,8,14,15,17,21,22"
STATUS	С	value list = "18"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Pontoon	
Acronym:	PONTON	Code: 95
Туре:	G	
Primitive:	A	

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A floating structure, usually rectangular in shape which serves as landing, pier head or bridge support. (IHO Dictionary, S-32, 5th Edition, 3947)

acronym	usage	constraints
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	Ο	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	value list = "5"
DATSTA	0	format = "ccyymmdd"
DATEND	Ο	format = "ccyymmdd"
PERSTA	Ο	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"

Feature	Production/storage area		
Acronym:	PRDARE	Code:	97
Туре:	G		
Primitive:	A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	An area on land for	the exploitation o	r storage of natural resources.

acronym	usage	constraints
CATPRA	0	value list = "1,2,3,4,5,6,7,8,9,10"
PRODCT	0	value list = "1,2,4,5,6,7,14,15,17,21,22"
CONVIS	0	value list = "1,2"
STATUS	0	value list = "2,12,16,17"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
SCAMIN	М	min = "1"
NTXTDS	0	

Feature	Pylon/bridge support		
Acronym:	PYLONS	Code:	98
Туре:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A vertical construction consisting, for example, of a steel framework or pre-stressed concrete to carry cables, a bridge, etc.

acronym	usage	constraints
CATPYL	М	value list = "1,2,3,4,5"
WATLEV	М	value list = "1,2,3,4,5"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Quality of data		
Acronym:	M_QUAL	Code:	308
Туре:	Μ		
Primitive:	A		

Data Dictionary (DD) Reference:

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	An area within whic	ch a uniform asses	ssment of the quality of the data exists.

acronym	usage	constraints
CATZOC	0	value list = "1,2,3,4,5,6"
DRVAL1	0	unit = "m" decimal digits = "2"
POSACC	0	unit = "m" decimal digits = "2"
SOUACC	0	unit = "m" decimal digits = "2"
SUREND	0	format = "ccyymmdd"
SURSTA	0	format = "ccyymmdd"
TECSOU	С	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,14"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"

Feature	Radar line		
Acronym:	RADLNE	Code:	99
Туре:	G		
Primitive:	L		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A track along which ships may be guided by coastal radar stations in the event of bad visibility. Also known as a radar guided track. (IHO Dictionary, S-32, 5th Edition, 4146).

acronym	usage	constraints
ORIENT	М	unit = "deg" decimal digits = "2"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
TXTDSC	0	
NTXTDS	0	
PICREP	0	

Feature	Radar station		
Acronym:	RADSTA	Code: 1	102
Туре:	G		
Primitive:	Р		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A station with a transmitter emitting pulses of ultra-high frequency radio waves which are reflected by solid objects and are detected upon their return to the sending station. (International Maritime Dictionary, 2nd Ed.)

acronym	usage	constraints
CATRAS	М	value list = "1"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Radar transponder beacon				
Acronym:	RTPBCN	Code:	103		
Туре:	G				
Primitive:	Р				

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: A transponder beacon, transmitting a coded signal on radar frequency, permitting an interrogating craft to determine the bearing and range of the transponder. Also called racon. (IHO Dictionary, S-32, 5th Edition, 4137)

acronym	usage	constraints
CATRTB	М	value list = "1,2,3"
RADWAL	0	format = "xx.x-b,xx.x-b,] xx.x = value in meter, b = band"
SIGGRP	0	format = "(c)(c)"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

acronym usage constraints STATUS O value list = "5"

Feature	Railway		
Acronym:	RAILWY	Code: 1	106
Туре:	G		
Primitive:	L		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A rail or set of para Oct.87)	allel rails on which	a train or tram runs. (Digital Geographic Information Working Group,

acronym	usage	constraints
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	

Feature	Recommended track		
Acronym:	RECTRC	Code:	109
Туре:	G		
Primitive:	L		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A track recommend	ded to all or only c	ertain vessels. (IHO Dictionary, S-32, 5th Edition, 5576)

acronym	usage	constraints
CATTRK	М	value list = "1,2"
ORIENT	Μ	unit = "deg" decimal digits = "2"
DRVAL1	0	unit = "m" decimal digits = "2"
DRVAL2	0	unit = "m" decimal digits = "2"
TRAFIC	М	value list = "1,2,3,4"
OBJNAM	Ο	
NOBJNM	Ο	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Recommended traffic lane part		
Acronym:	RCTLPT	Code:	110
Type:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A recommended traffic lane part is an area of a recommended direction of traffic control area within which traffic flow is generally along one bearing. (IHO Definition)

acronym	usage	constraints
ORIENT	М	unit = "deg" decimal digits = "2"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
TXTDSC	0	
NTXTDS	0	
PICREP	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
SCAMIN	М	min = "1"
STATUS	0	value list = "5"

Feature	Rescue Station		
Acronym:	RSCSTA	Code:	111
Туре:	G		
Primitive:	P		

DD Name:	HYDRO	Date accepted:	2010-09-17
Definition:	A place at which lif	e saving equipmer	nt is held. (IHO Chart Specifications, M-4)

acronym	usage	constraints
catrsc	М	value list = "1,2,4,5,6,7,8,9"
STATUS	0	value list = "2,4,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
NTXTDS	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
PICREP	0	

Feature	Restricted area		
Acronym:	RESARE	Code:	112
Туре:	G		
Primitive:	A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A specified area designated by an appropriate authority within which navigation is restricted in accordance with certain specified conditions. (adapted from IHO Dictionary, S-32, 5th Edition, 4366)

acronym	usage	constraints
RESTRN	М	value list = "1,7,8,38"
CATREA	С	value list = "1,12"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
CATTEV	0	value list = "4,5,6"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
NTXTDS	0	

acronym usage constraints STATUS O value list = "5"

Feature	River	
Acronym:	RIVERS	Code: 11
Туре:	G	
Primitive:	L.A	

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A relatively large na	atural stream of wa	ater. (IHO Dictionary, S-32, 5th Edition, 4405)

		a a va atra inta
acronym	usage	constraints
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Road		
Acronym:	ROADWY	Code:	116
Туре:	G		
Primitive:	L,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A road is an open v	way for the passag	e of vehicles. (United States Geological Survey, Jan.89)

acronym	usage	constraints
CATROD	М	value list = "1,2,3,4"
NATCON	0	value list = "4,5"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Runway		
Acronym:	RUNWAY	Code:	117
Туре:	G		
Primitive:	P,L,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A defined rectangular area, on a land aerodrome, prepared for the landing and take-off run of aircraft along its length.

acronym	usage	constraints
CATRUN	0	value list = "1,2"
CONVIS	0	value list = "1,2"
NATCON	0	value list = "4,5"
OBJNAM	0	
NOBJNM	0	
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
INFORM	0	
NINFOM	0	
TXTDSC	0	
NTXTDS	0	
PICREP	0	
STATUS	0	value list = "5"

Feature	Sand waves		
Acronym:	SNDWAV	Code:	118
Туре:	G		
Primitive:	P,L,A		

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: A large mobile wave-like sediment feature in shallow water and composed of sand. The wavelength may reach 100 metres, the amplitude may be up to 20 metres.

acronym	usage	constraints
VERLEN	0	unit = "m" decimal digits = "1"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
SORDAT	0	format = "ccyymmdd"
SORIND	0	format = "cc,cc,ccccc,c"
TXTDSC	0	
NTXTDS	0	
PICREP	0	

Feature	Sea area/named water area		
Acronym:	SEAARE	Code:	119
Type:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A geographically defined part of the sea or other navigable waters. It may be specified within its limits by its proper name.

acronym	usage	constraints
CATSEA	0	value list = "5,12,13,51,52,53,54,57,58,59"
CONDTN	С	value list = "1,2,3,5"
OBJNAM	М	
NOBJNM	0	
INFORM	С	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	С	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
NTXTDS	0	

Feature	Seabed Area		
Acronym:	SBDARE	Code:	121
Туре:	G		
Primitive:	P,L,A		

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: An area of the sea where the nature of bottom is homogeneous. The nature of bottom includes the material of which it is composed and its physical characteristics. Also called character (or characteristics) of the bottom, or quality of the bottom. (IHO Dictionary, S-32, 5th Edition, 515).

acronym	usage	constraints
NATQUA	С	value list = "1,2,3,4"
NATSUR	С	value list = "1,2,3,4,5,6,7,8,9,18"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
TXTDSC	0	
NTXTDS	0	
PICREP	0	

Feature	Shoreline construction		
Acronym:	SLCONS	Code:	122
Туре:	G		
Primitive:	P,L,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A fixed (not afloat)	artificial structure	between the water and the land, i.e. a man-made coastline.

acronym	usage	constraints
CATSLC	М	value list = "1,2,4,5,6,7,8,9,10,11,12,13,14,15,16"
NATCON	С	value list = "1,2,3,4,5,6,7,8,9"
STATUS	С	value list = "2,3,4,8,9,12,14,16,17"
WATLEV	0	value list = "1,2,3,4,5"
CONDTN	С	value list = "1,2,3,5"
OBJNAM	С	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Silo/tank		
Acronym:	SILTNK	Code:	125
Туре:	G		
Primitive:	P,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	An enclosed contai	ner, used for stora	age (Digital Geographic Information Working Group, Oct.87)

acronym	usage	constraints
CATSIL	0	value list = "1,2,3,4"
PRODCT	0	value list = "1,2,3,4,5,6,7,8,14,15,17,21,22"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Slope topline		
Acronym:	SLOTOP	Code:	126
Туре:	G		
Primitive:	L		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	The upper marking	of a slope, e.g. th	e ridge line or the separation line between two different gradients.

acronym	usage	constraints
CATSLO	М	value list = "1,2,3,6"
NATSUR	0	value list = "1,2,3,4,5,6,7,8,9,11,14,17,18"
CONDTN	С	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
NTXTDS	0	

Feature	Sloping ground		
Acronym:	SLOGRD	Code:	127
Туре:	G		
Primitive:	L,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	An inclined surface	(adapted from IH)	O Dictionary, S-32, 5th Edition, 4776).

acronym	usage	constraints
CATSLO	М	value list = "1,2,3,6"
NATSUR	0	value list = "1,2,3,4,5,6,7,8,9,11,14,17,18"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	

Feature	Small craft facility		
Acronym:	SMCFAC	Code:	128
Type:	G		
Primitive:	P,A		

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DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A place at which a	service generally	of interest to small craft or pleasure boats is available.

acronym	usage	constraints
CATSCF	Μ	value list = "1-33"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Sounding		
Acronym:	SOUNDG	Code:	129
Туре:	G		
Primitive:	Р		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A measured water	depth or spot whic	h has been reduced to a vertical datum (may be a drying height).

acronym	usage	constraints
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
TXTDSC	0	
NTXTDS	0	
PICREP	0	
TECSOU	0	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,14"
SOUACC	0	unit = "m" decimal digits = "2"

Feature	Survey reliability		
Acronym:	M_SREL	Code:	310
Туре:	Μ		
Primitive:	A		

Data Dictionary	, ((DD)	Reference [.]	
Dulu Diolional	y (1.010101100.	

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	An area within whic	ch a uniform asses	ssment of the reliability of source survey information exists.

acronym	usage	constraints
QUAPOS	С	value list = "4,10"
QUASOU	М	value list = "1,2,8,10,11"
SURATH	М	
SUREND	М	format = "ccyymmdd,ccyymm"
SURSTA	М	format = "ccyymmdd,ccyymm"
SURTYP	С	value list = "2"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"

Feature	Tidal stream - flood/ebb		
Acronym:	TS_FEB	Code:	160
Туре:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The tidal stream (or tidal current) is a horizontal movement of water associated with the rise and fall of the tide caused by tide-producing forces. (Adapted from IHO Dictionary, S-32, 5th Edition)

acronym	usage	constraints
CAT_TS	М	value list = "1,2,3"
CURVEL	0	unit = "knot (kt)" decimal digits = "1"
ORIENT	0	unit = "deg" decimal digits = "2"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
OBJNAM	0	
NOBJNM	0	
TXTDSC	0	
NTXTDS	0	
PICREP	Ο	

Feature	Tideway	
Acronym:	TIDEWY	Code: 1
Туре:	G	
Primitive:	L,A	

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: A natural course in intertidal areas where water flows during the ebb or flow. A channel through which a tidal current runs. (IHO Dictionary, S-32, 5th Edition, 5502)

acronym	usage	constraints
PICREP	0	
OBJNAM	0	
NOBJNM	0	
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
INFORM	0	
NINFOM	0	
TXTDSC	0	
NTXTDS	0	

Feature	Topmark		
Acronym:	TOPMAR	Code:	144
Туре:	G		
Primitive:	Ρ		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: A characteristic shape secured at the top of a buoy, or beacon, to aid in its identification. (IHO Dictionary, S-32, 5th Edition, 5548)

acronym	usage	constraints
COLOUR	Μ	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
COLPAT	С	value list = "1,2,3,4,5,6"
TOPSHP	Μ	value list = "1-33"
CONDTN	С	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	Ο	
INFORM	С	
NINFOM	0	
SCAMIN	Μ	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	Ο	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Traffic separation scheme boundary		
Acronym:	TSSBND	Code:	146
Туре:	G		
Primitive:	L		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The outer limit of a traffic lane part or a traffic separation scheme roundabout. (S-57 Edition 3.1, Appendix A – Chapter 1, Page 1.185, November 2000).

acronym		constraints
acronym	usage	Constraints
CATTSS	0	value list = "1,2,"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
TXTDSC	0	
NTXTDS	0	
PICREP	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SCAMIN	Μ	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
STATUS	0	value list = "1,2,3,4,6,7,8,9,11,12,13,14,15,16,17,18"

Feature	Traffic separation scheme crossing		
Acronym:	TSSCRS	Code:	147
Туре:	G		
Primitive:	A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A defined area whe November 2000).	ere traffic lanes cro	oss. (S- 57 Edition 3.1, Appendix A – Chapter 1, Page 1.186,

acronym	usage	constraints
CATTSS	0	value list = "1,2"
RESTRN	С	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,16,17,18,19,20,21,22,23,24,25,27"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
TXTDSC	0	
NTXTDS	0	
PICREP	0	
STATUS	С	value list = "1,3,6,9"
SCAMIN	М	min = "1"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	0	format = "ccyymmdd"
SORIND	0	format = "cc,cc,cccc,c"

Feature	Traffic separation scheme lane part			
Acronym:	TSSLPT	Code:	148	
Туре:	G			
Primitive:	A			

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A traffic separation scheme lane part is an area of a traffic lane in which the direction of flow of traffic is generally along one bearing. (Adapted from S-57 Edition 3.1, Appendix A – Chapter 1, Page 1.187, November 2000).

acronym	usage	constraints
CATTSS	0	value list = "1,2"
ORIENT	С	unit = "deg" decimal digits = "2"
RESTRN	С	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,16,17,18,19,20,21,22,23,24,25,27"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
TXTDSC	0	
NTXTDS	0	
PICREP	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SCAMIN	М	min = "1"
SORDAT	0	format = "ccyymmdd"
SORIND	0	format = "cc,cc,ccccc,c"

Feature	Traffic separation zone		
Acronym:	TSEZNE	Code:	150
Туре:	G		
Primitive:	A		

DD Name:	HYDRO	Date accepted:	2010-08-11

Definition: A traffic separation scheme is a scheme which aims to reduce the risk of collision in congested and/or converging areas by separating traffic moving in opposite, or nearly opposite, directions. (IHO Dictionary, S-32, 5th Edition, 5585). A traffic separation zone is a zone separating the lanes in which ships are proceeding in opposite or nearly opposite directions; or separating traffic lanes designated for particular classes of ships proceeding in the same direction (IMO Ships Routeing, 6th Edition).

acronym	usage	constraints
CATTSS	М	value list = "1,2"
STATUS	С	value list = "3,9"
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
TXTDSC	С	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
OBJNAM	0	
NOBJNM	0	
PICREP	0	
NTXTDS	0	

Feature	Tunnel	
Acronym:	TUNNEL	Code: 1
Туре:	G	
Primitive:	L,A	

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A passage that is open to the atmosphere at both ends, buried under the sea bed or laid over the sea floor or bored under the ground or through mountains.

acronym	usage	constraints
BURDEP	0	unit = "m" decimal digits = "1"
HORCLR	С	unit = "m" decimal digits = "2"
VERCLR	С	unit = "m" decimal digits = "2"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
PEREND	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
vcrlev	0	
vcrval	0	unit = "m" decimal digits = "2"
NTXTDS	0	
unlocd	0	
HORACC	0	unit = "m" decimal digits = "2"

acronym	usage	constraints
VERACC	Ο	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Two-way route part		
Acronym:	TWRTPT	Code:	152
Туре:	G		
Primitive:	A		

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: A two-way route is a route within defined limits inside which two-way traffic is established, aimed at providing safe passage of ships through waters where navigation is difficult or dangerous. (IHO Dictionary, S-32, 5th Edition, 5712). A two-way route part is an area of a two-way route within which traffic flow is generally along one bearing (and possibly its reciprocal).

		a a natra inta
acronym	usage	constraints
ORIENT	М	unit = "deg" decimal digits = "2"
TRAFIC	М	value list = "1,2,3,4"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
STATUS	0	

Feature	Underwater/awash rock		
Acronym:	UWTROC	Code:	153
Туре:	G		
Primitive:	P,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	A concreted mass	of stony material c	or coral which dries, is awash or is below the water surface.

acronym	usage	constraints
VALSOU	М	unit = "m" decimal digits = "2"
WATLEV	М	value list = "1,2,3,4,5"
NATSUR	0	value list = "5,9,11,14,18"
QUASOU	0	value list = "1,2,8,10,11"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
EXPSOU	С	value list = "1,2,3"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Unsurveyed area		
Acronym:	UNSARE	Code:	154
Туре:	G		
Primitive:	A		

DD Name:	HYDRO	Date accepted:	2010-07-29
Definition:	An area for which n	o bathymetric sur	vey information is available.

acronym	usage	constraints
QUASOU	С	value list = "2,8"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	Ο	
NTXTDS	0	
TXTDSC	Ο	
PICREP	0	

Feature	Vegetation		
Acronym:	VEGATN	Code:	155
Туре:	G		
Primitive:	P,A		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition:	Collections of, or in	dividual plants.	

acronym	usage	constraints
CATVEG	М	value list = "6,11,13"
CONVIS	0	value list = "1,2"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	

Feature	Water turbulence		
Acronym:	WATTUR	Code:	156
Туре:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The disturbance of water caused by the interaction of any combination of waves, currents, tidal streams, wind, shoal patches and obstructions.

acronym	usage	constraints
CATWAT	М	value list = "6"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
TXTDSC	0	
NTXTDS	0	
PICREP	0	
SCAMIN	Μ	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"

Feature	Weed/Kelp		
Acronym:	WEDKLP	Code:	158
Туре:	G		
Primitive:	P,A		

 DD Name:
 HYDRO
 Date accepted:
 2000-11-01

 Definition:
 Seaweed is the general name for marine plants of the Algae class which grow in long narrow ribbons. (International Maritime Dictionary, 2nd Ed.) Kelp is one of an order (laminariales) of usually large, blade-shaped or vine-like brown algae. (IHO

Attribute Bindings:

acronym	usage	constraints
CATWED	М	value list = "1,2,3,4"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
TXTDSC	0	
NTXTDS	Ο	
PICREP	0	

Dictionary, S-32, 5th Edition, 2611)

Feature	Wreck		
Acronym:	WRECKS	Code:	159
Туре:	G		
Primitive:	P,A		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The ruined remains of a stranded or sunken vessel which has been rendered useless. (IHO Dictionary, S-32, 5th Edition, 6027)

acronym	usage	constraints
CATWRK	М	value list = "1,2,3,4,5"
VALSOU	С	unit = "m" decimal digits = "2"
WATLEV	0	value list = "1,2,3,4,5"
QUASOU	0	value list = "1,2,8,10,11"
TECSOU	0	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,14"
STATUS	0	value list = "12,16,17,18"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
EXPSOU	С	value list = "1,2,3"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"

acronym usage constraints CATTEV O value list = "4,5,6"

Feature	Anchor berth	
Acronym:	achbrt	Code: 17000
Туре:	G	
Primitive:	P,A	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	A designated area	of water where a s	single vessel, sea plane, etc. may anchor.

acronym	usage	constraints
catach	0	value list = "1,2,3,4,5,6,7,9,10,11,12,13"
clsdng	0	value list = "1,2,3,4,5"
restrn	0	value list = "1,2,7,8,13,14,27,28,29,30,31,32,33,34,35,36,38"
STATUS	0	value list = "2,3,4,5,8,9,12,14,16,17"
NATSUR	0	value list = "1,2,3,4,5,6,7,8,9,11,14,17,18"
unlocd	С	
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	

Feature	Anchorage area		
Acronym:	achare	Code:	17001
Туре:	G		
Primitive:	P,A		
Data Diction	ary (DD) Reference:		
DD Name:	IENC Date accepted: 2001-05-31		
Definition:	An area in which vessels anchor or may anchor. (IHO Dictionary, S-32, 5th Edition, 130)		
Attribute Die			

acronym	usage	constraints
catach	0	value list = "1,2,3,4,5,6,7,9,10,11,12,13"
clsdng	0	value list = "1,2,3,4,5"
restrn	0	value list = "1,2,7,8,13,14,27,28,29,30,31,32,33,34,35,36,38"
STATUS	0	value list = "2,3,4,5,8,9,12,14,16,17"
NATSUR	0	value list = "1,2,3,4,5,6,7,8,9,11,14,17,18"
unlocd	С	
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Beacon, lateral	
Acronym:	bcnlat	Code: 17028
Туре:	G	
Primitive:	Р	

DD Name:	IENC	Date accepted:	2001-05-31
DD Hamo.		Date accepted.	2001 00 01

Definition: A beacon, is a prominent specially constructed object forming a conspicuous mark as a fixed aid to navigation or for use in hydrographic survey (IHO Dictionary, S-32, 5th Edition, 420). A lateral beacon, is used to indicate the port or starboard hand side of the route to be followed. They are generally used for well defined channels and are used in conjunction with a conventional direction of buoyage. (UKHO NP 735, 5th Edition)

acronym	usage	constraints
BCNSHP	М	value list = "1,5"
catlam	М	value list = "1-27"
COLOUR	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
COLPAT	С	value list = "1,2,3,4,5,6"
dirimp	С	value list = "1,2,3,4"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"

usage	constraints
С	format = "ccyymmdd"
С	format = "cc,cc,cccc,c"
0	
0	value list = "1,2,3"
0	format = "xxxxxxxx"
0	value list = "5"

Feature	Berth	
Acronym:	berths	Code: 17010
Туре:	G	
Primitive:	P,L,A	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	A named or num	bered place where a	a vessel is moored at a wharf. (IHO Dictionary, S-32, 5th Edition, 470)

acronym	usage	constraints
catbrt	0	value list = "1,2,3,4,5,6,7,8,9"
clsdng	0	value list = "1,2,3,4,5"
DRVAL1	0	unit = "m" decimal digits = "2"
QUASOU	С	value list = "1,2,8,10,11"
SOUACC	С	unit = "m" decimal digits = "2"
STATUS	0	value list = "2,3,4,5,8,9,12,14,16,17"
trshgd	0	value list = "1,2,3,4,5,6,7,8,9,10"
unlocd	С	
verdat	С	value list = "12,23,24,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"

acronym	usage	constraints
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	

Feature	Bridge	
Acronym:	bridge	Code: 17011
Туре:	G	
Primitive:	A	

DD Name:	IENC	Date accepted:	2001-05-31
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Definition: A structure erected over a depression or an obstacle such as a body of water, railroad, etc. to provide a roadway for vehicles, pedestrians or to carry utility services. (IHO Dictionary, S-32, 5th Edition, 544)

acronym	usage	constraints
CATBRG	М	value list = "1,3,4,5,7,9,10,11,12,13"
HORCLR	0	unit = "m" decimal digits = "2"
VERCCL	С	unit = "m" decimal digits = "2"
VERCLR	С	unit = "m" decimal digits = "2"
VERCOP	С	unit = "m" decimal digits = "2"
hunits	С	value list = "1,2,3,4,5,6"
unlocd	С	
verdat	С	value list = "12,23,24,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"
wtwdis	С	decimal digits = "3"
CONDTN	С	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	С	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"

acronym	usage	constraints
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
vcrlev	0	
vcrval	0	unit = "m" decimal digits = "2"
elevwl	0	unit = "m" decimal digits = "2"
reflev	0	value list = "1,2,3,4,5,6,7,8,9,10"
refgag	С	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	value list = "5"

Feature	Bridge Arch Aggregation	
Acronym:	c_brga	Code: 18003
Type:	0	
Primitive:	Ν	

Data Dictionary (DD) Reference:

DD Name:	IENC	Date accepted:	2012-08-03
Definition:	A collection of the l	oridge arch eleme	nts comprising an entire bridge arch.

acronym	usage	constraints
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
PICREP	0	
TXTDSC	0	
NTXTDS	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"

Feature	Bunker station	
Acronym:	bunsta	Code: 17054
Туре:	G	
Primitive:	P,A	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	A station, at which	a ship is able to b	unker fuel, water or ballast or to obtain electrical power supply.

acronym	usage	constraints
bunves	М	value list = "1,2"
catbun	0	value list = "1,2,3,4"
unlocd	С	
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
catvol	С	value list = "1,2"
catfrq	С	value list = "1,2"

acronym	usage	constraints
amoamp	С	
allcon	0	
catplg	0	
shrnum	0	
HORACC	0	unit = "m" decimal digits = "1"
VERACC	0	unit = "m" decimal digits = "1"
CATTEV	0	value list = "4,5,6"
STATUS	0	value list = "5"

Feature	Buoy, lateral	
Acronym:	boylat	Code: 17029
Туре:	G	
Primitive:	Р	

DD Name: IENC Date accepted: 2001-05-31

Definition: A buoy is a floating object moored to the bottom in a particular place, as an aid to navigation or for other specific purposes. (IHO Dictionary, S-32, 5th Edition, 565). A lateral buoy is used to indicate the right-hand or left-hand side of a channel limit in the waterway.

acronym	usage	constraints
BOYSHP	М	value list = "1,2,3,4,5,6,8"
catlam	М	value list = "1-27"
COLOUR	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
COLPAT	С	value list = "1,2,3,4,5,6"
CONRAD	0	value list = "3"
marsys	С	value list = "1,2,9,10,11,12,13,14,15"
OBJNAM	С	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"

acronym	usage	constraints
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
typatn	0	value list = "1,2,3"
mmsico	0	format = "xxxxxxxxx"
STATUS	0	value list = "5"

Feature	Cable, overhead	
Acronym:	cblohd	Code: 17012
Туре:	G	
Primitive:	L	

DD Name: IENC Date accepted: 2001-05-31

Definition: An overhead cable is an assembly of wires or fibres, or a wire rope or chain, which is supported by structures such as poles or pylons and passing over or nearby navigable waters. (Hydrographic Service, Royal Australian Navy).

acronym	usage	constraints
catcbl	М	value list = "1,3,4,5,6,7"
VERCLR	М	unit = "m" decimal digits = "1"
hunits	0	value list = "1,2,3,4,5,6"
verdat	0	value list = "12,23,24,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"
wtwdis	0	decimal digits = "3"
unlocd	С	
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"

acronym	usage	constraints
NTXTDS	0	
vcrlev	0	
vcrval	0	unit = "m" decimal digits = "2"
refgag	С	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	value list = "5"

Feature	Checkpoint	
Acronym:	chkpnt	Code: 17027
Туре:	G	
Primitive:	P,A	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	An official place to	register, declare o	r check goods and people.

acronym	usage	constraints
catchp	М	value list = "1,2"
NATION	М	format = "cc"
unlocd	С	
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Communication area		
Acronym:	comare	Code: 17055	
Туре:	G		
Primitive:	A		

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	Indicates the cover	age of an area, in	which a vessel has to report or may request information.

acronym usage constraints	
catcom O value list = "1,2,3,4,5,6,7,8	3,9"
COMCHA M format = "[[XXXX];[XXXX];]"
STATUS O value list = "2,3,4,5,8,9,12,	,14,16,17"
OBJNAM O	
NOBJNM O	
INFORM O	
NINFOM O	
SCAMIN M min = "1"	
PICREP O	
TXTDSC O	
DATSTA O format = "ccyymmdd"	
DATEND O format = "ccyymmdd"	
PERSTA O format = "ccyymmdd"	
PEREND O format = "ccyymmdd"	
SORDAT C format = "ccyymmdd"	
SORIND C format = "cc,cc,ccccc,c"	
NTXTDS O	

Feature	Conveyor	
Acronym:	convyr	Code: 17034
Туре:	G	
Primitive:	L,A	

DD Name: IENC Date accepted: 2001-05-31

Definition: A mechanical apparatus for moving bulk material or people from place to place (as by a moving belt or chain of receptacles).

acronym	usage	constraints
CATCON	М	value list = "2"
PRODCT	0	value list = "1,2,3,4,5,6,7,8,14,15,17,21,22"
VERCLR	0	unit = "m" decimal digits = "2"
verdat	0	value list = "12,23,24,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
vcrlev	0	
vcrval	0	unit = "m" decimal digits = "2"

acronym	usage	constraints
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Crane	
Acronym:	cranes	Code: 17030
Туре:	G	
Primitive:	P,A	

DD Name: IENC Date a	accepted: 2001-05-31
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Definition: A machine for lifting, shifting and lowering objects or materials by means of a swinging boom or with a lifting apparatus supported on an overhead track. (Digital Geographic Information Working Group, Oct.87)

acronym	usage	constraints
CATCRN	0	value list = "2,3,4,5"
VERCLR	0	unit = "m" decimal digits = "2"
verdat	0	value list = "12,23,24,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
vcrlev	0	
vcrval	0	unit = "m" decimal digits = "2"
unlocd	С	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"

acronym usage constraints CATTEV O value list = "4,5,6"

Feature	Current, non-gravitational	
Acronym:	curent	Code: 17019
Туре:	G	
Primitive:	P,A	

DD Name: IENC Date accepted: 2001-05-31

Definition: Currents (non-gravitational) include either singly or in combination: ocean currents (wind and/or density driven), inter-oceanic equalising currents, currents of navigable rivers, river outflow effects offshore and other non-tidal flows.

acronym	usage	constraints
curvhw	С	unit = "km/h" decimal digits = "1"
curvlw	С	unit = "km/h" decimal digits = "1"
curvmw	С	unit = "km/h" decimal digits = "1"
curvow	С	unit = "km/h" decimal digits = "1"
dirimp	С	value list = "1,2,3,4"
hignam	С	
lownam	С	
meanam	С	
othnam	С	
ORIENT	С	unit = "deg" decimal digits = "2"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"

acronym	usage	constraints
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Daymark	
Acronym:	daymar	Code: 17035
Туре:	G	
Primitive:	Р	

DD Name: IENC Date a	accepted: 2009-09-11
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Definition: The identifying characteristics of an aid to navigation which serve to facilitate its recognition against a daylight viewing background. On those structures that do not by themselves present an adequate viewing area to be seen at the required distance, the aid is made more visible by affixing a daymark to the structure. A daymark so affixed has a distinctive colour and shape depending on the purpose of the aid. (IHO Dictionary, S-32, 5th Edition, 1248)

acronym	usage	constraints
COLOUR	Μ	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13"
COLPAT	С	value list = "1,2,3,4,5,6"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
TOPSHP	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33"
ORIENT	С	unit = "deg" decimal digits = "2"
dirimp	С	value list = "1,2,3,4"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	

acronym	usage	constraints
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Depth area	
Acronym:	depare	Code: 17003
Туре:	G	
Primitive:	A	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	A depth area is a w	ater area whose c	lepth is within a defined range of values.

acronym	usage	constraints
DRVAL1	М	unit = "m" decimal digits = "2"
DRVAL2	М	unit = "m" decimal digits = "2"
eleva1	С	unit = "m" decimal digits = "2"
eleva2	С	unit = "m" decimal digits = "2"
QUASOU	С	value list = "1,2,8,10,11"
hunits	М	value list = "1,2,3,4,5,6"
wtwdis	М	decimal digits = "3"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Distance mark	
Acronym:	dismar	Code: 17004
Туре:	G	
Primitive:	Р	

DD Name: IENC Date accepted: 2001-05-31

Definition: A distance mark indicates the distance measured from an origin and consists of a distinct location without special installation, used to serve as a reference along the waterway. (Adapted from S-57 Standard). Due to the natural or historic changes in the waterway the distance can deviate from the real distance to the origin.

acronym	usage	constraints
CATDIS	М	value list = "1,2,3,4"
hunits	М	value list = "1,2,3,4,5,6"
unlocd	С	
wtwdis	М	decimal digits = " 1"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
STATUS	0	

Feature	Excep	Exceptional navigation structure		
Acronym:	excns	t	Code:	17070
Туре:	G			
Primitive:	P,A			
Data Dictior	hary (DD) F	Reference:		
DD Name:	IENC	Date accepted: 2001-05-31		
Definition:	An excep	ptional navigational construction like aqueduct, lift-lock, etc.		
<u>Attribute Bir</u>	ndings:			
acronym	usage	constraints		
catexs	М	value list = "1,2,3,4,5"		
DRVAL1	М	unit = "m" decimal digits = "2"		
unlocd	С			
verdat	С	value list = "12,23,24,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"		
hunits	М	value list = "1,2,3,4,5,6"		
wtwdis	М	decimal digits = "3"		
CONDTN	0	value list = "1,2,3,5"		
INFORM	0			
NINFOM	0			
SCAMIN	М	min = "1"		
PICREP	Ο			
TXTDSC	0			
DATSTA	0	format = "ccyymmdd"		
DATEND	0	format = "ccyymmdd"		
PERSTA	0	format = "ccyymmdd"		
PEREND	Ο	format = "ccyymmdd"		
SORDAT	С	format = "ccyymmdd"		
SORIND	С	format = "cc,cc,ccccc,c"		
NTXTDS	0			
sdrlev	0			

acronym	usage	constraints
sdrval	0	unit = "m" decimal digits = "2"
OBJNAM	0	
NOBJNM	0	
horclw	С	unit = "m" decimal digits = "2"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	value list = "5"

Feature	Ferry route	
Acronym:	feryrt	Code: 17013
Туре:	G	

Primitive: L

Data Dictionary (DD) Reference:

DD Name:	IENC	Date accepted:	2001-05-31
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Definition: A route in a body of water where a ferry crosses from one shoreline to another. (Digital Geographic Information Working Group, Oct.87)

acronym	usage	constraints
catfry	М	value list = "4"
NOBJNM	0	
OBJNAM	0	
STATUS	0	value list = "2,3,4,5,8,9,12,14,16,17"
INFORM	0	
NINFOM	0	
NTXTDS	0	
PICREP	0	
SCAMIN	М	min = "1"
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
unlocd	С	

Feature	Floating dock	
Acronym:	flodoc	Code: 17025
Туре:	G	
Primitive:	A	

DD Name:	IENC	Date accepted:	2001-05-31
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Definition: A form of dry dock consisting of a floating structure of one or more sections which can be partly submerged by controlled flooding to receive a vessel, then raised by pumping out the water so that the vessel's bottom can be exposed. (IHO Dictionary, S-32, 5th Edition, 1427)

acronym	usage	constraints
DRVAL1	0	unit = "m" decimal digits = "2"
HORCLR	0	unit = "m" decimal digits = "2"
HORLEN	0	unit = "m" decimal digits = "2"
horcll	0	unit = "m" decimal digits = "2"
horclw	0	unit = "m" decimal digits = "2"
HORWID	0	unit = "m" decimal digits = "2"
verdat	0	value list = "12,23,24,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"

acronym	usage	constraints
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
sdrlev	0	
sdrval	0	unit = "m" decimal digits = "2"
vcrlev	0	
vcrval	0	unit = "m" decimal digits = "2"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	value list = "5"

Feature	Gate	
Acronym:	gatcon	Code: 17031
Туре:	G	

Primitive: L,A

Data Dictionary (DD) Reference:

DD Name: IENC Date accepted: 2001-05-31

Definition: A structure that may be swung, drawn, or lowered to block an entrance or passageway. (United States Geological Survey, Jan.89)

acronym	usage	constraints
CATGAT	М	value list = "2,4"
HORCLR	Μ	unit = "m" decimal digits = "2"
VERCLR	0	unit = "m" decimal digits = "2"
hunits	С	value list = "1,2,3,4,5,6"
wtwdis	0	decimal digits = "3"
verdat	0	value list = "12,23,24,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
unlocd	С	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
vcrlev	0	

acronym	usage	constraints
vcrval	0	unit = "m" decimal digits = "2"
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Harbour area (administrative)	
Acronym:	hrbare	Code: 17014
Туре:	G	
Primitive:	A	

DD Name: IENC Date accepted: 2001-05-31

Definition: The term "harbour" applies only to the area of water with the works necessary for its formation, protections and maintenance (International Maritime Dictionary, 2d. Edition). A harbour area not only covers the area of water but also the area of land which supplies the harbour installations.

acronym	usage	constraints
cathbr	0	value list = "1,2,3,4,5"
unlocd	С	
CONDTN	С	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Harbour basin	
Acronym:	hrbbsn	Code: 17056
Туре:	G	
Primitive:	А	

DD Name: IENC Date accepted: 2001-05-31

Definition: An enclosed area of water surrounded by quay walls constructed to provide means for the transfer of cargos from and to ships (International Maritime Dictionary, 2d. Edition).

acronym	usage	constraints
HORLEN	0	unit = "m" decimal digits = "2"
HORWID	0	unit = "m" decimal digits = "2"
unlocd	С	
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Harbour facility	
Acronym:	hrbfac	Code: 17015
Туре:	G	
Primitive:	P,A	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	A harbour installation	on with a service o	or commercial operation of public interest.

acronym	usage	constraints
cathaf	М	value list = "4,6,9,12,13,16,17"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Hulk	
Acronym:	hulkes	Code: 17020
Туре:	G	
Primitive:	A	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	A permanently mod	ored ship.	

acronym	usage	constraints
cathlk	0	value list = "1,2,3,4,5,6"
unlocd	С	
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	Ο	
TXTDSC	Ο	
DATSTA	0	format = "ccyymmdd"
DATEND	Ο	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	Ο	
HORACC	Ο	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

acronym usage constraints STATUS O value list = "5"

Feature	Lock basin	
Acronym:	lokbsn	Code: 17016
Type:	G	
Primitive:	A	

DD Name: IENC Date accepted: 2001-05-31

Definition: A lock basin is a wet dock in a waterway, permitting a ship to pass from one level to another. (adapted from IHO Dictionary, S-32, 5th Edition, 2881)

acronym	usage	constraints
horcll	М	unit = "m" decimal digits = "2"
horclw	М	unit = "m" decimal digits = "2"
HORLEN	0	unit = "m" decimal digits = "2"
HORWID	0	unit = "m" decimal digits = "2"
unlocd	С	
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"

acronym	usage	constraints
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	value list = "5"

		
Feature	Lock b	asin part
Acronym:	lkbspt	Code: 17058
Type:	G	
Primitive:	А	
Data Diction	<u>nary (DD) R</u>	leference:
DD Name:	IENC	Date accepted: 2001-05-31
Definition:	A lock bas gates.	sin is divided into several lock basin parts, if this lock basin has one ground level but several
Attribute Bir	ndings:	
acronym	usage	constraints
horcll	М	unit = "m" decimal digits = "2"
horclw	М	unit = "m" decimal digits = "2"
HORLEN	0	unit = "m" decimal digits = "2"
HORWID	0	unit = "m" decimal digits = "2"
unlocd	С	
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	Ο	format = "ccyymmdd"
DATEND	Ο	format = "ccyymmdd"
PERSTA	Ο	format = "ccyymmdd"
PEREND	Ο	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"

acronym	usage	constraints
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"
STATUS	0	value list = "5"

Feature	Maxim	num permitted ship dimensions
Acronym:	lg_sdr	n Code: 18001
Туре:	G	
Primitive:	A	
Data Diction	nary (DD) F	Reference:
DD Name:	IENC	Date accepted: 2001-05-31
Definition:		y or waterway section for which a juridical regulation with respect to the maximum permitted mensions exists.
Attribute Bi	ndings:	
acronym	usage	constraints
lg_rel	0	value list = "1,2,3,4"
lg_des	0	
lc_csi	0	value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32"
lc_cse	0	value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32"
lc_asi	0	value list = "1,2,3,5,6,7,8,9,10"
lc_ase	0	value list = "1,2,3,5,6,7,8,9,10"
lc_cci	0	value list = "1,2,4,5,6,7,8,9"
lc_cce	0	value list = "1,2,4,5,6,7,8,9"
lg_bme	0	unit = "m" decimal digits = "2"
lg_lgs	0	unit = "m" decimal digits = "2"
lg_drt	0	unit = "m" decimal digits = "2"
lg_wdp	0	decimal digits = "1"
lg_wdu	0	value list = "1,2,3"
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"

acronym	usage	constraints
SORIND	С	format = "cc,cc,cccc,c"
lg_pbr	0	

Type: G Primitive: A Data Dictionary (DD) Reference: DD Name: IENC Date accepted: 2001-05-31 Definition: Waterway or waterway section for which a juridical regulation with respect to the maximum permitted vessel speed exists. Attribute Bindings: Attribute Bindings: acronym usage constraints Ig_rel O value list = ''1,2,3,4'' Ig_des O value list = ''1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32'' Ic_cse O value list = ''1,2,3,5,6,7,8,9,10'' Ic_asi O value list = ''1,2,3,5,6,7,8,9,10'' Ic_ase O value list = ''1,2,3,5,6,7,8,9,10'' Ic_cce O value list = ''1,2,3,5,6,7,8,9," Ig_undu O value list = ''1,2,3,5 Ic_cce O value list = ''1,2,3,'' Ig_spd O usite is ''1,2,3,'' Ig_spd O value list = ''1,2,3'' Ig_spd O value list = ''1,2,3'' Ig_spd O tormat = 'conymmdd' DATSTA O format = 'conymmdd'	Feature	Maxin	num permitted vessel speed
AData Dictionary (DD) Reference:DD Name:IENCDate accepted:2001-05-31Definition:Waterway or waterway section for which a juridical regulation with respect to the maximum permitted vessel speed exists.Attribute Bindings:acronymusageconstraintsg_relOvalue list = "1,2,3,4"lg_desOlc_csiOvalue list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32"lc_cseOvalue list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32"lc_asiOvalue list = '1,2,3,5,6,7,8,9,10"lc_cceOvalue list = '1,2,3,5,6,7,8,9"lg_spdOunit = "km/h" decimal digits = "2"lg_spdOunit = '',2,3"DATSTAOformat = ''ccymmdd"DATENDOformat = ''ccymmdd"PERSTAOformat = ''ccymmdd"PERENDOformat = ''ccymmdd"SORDATCformat = ''ccymmdd"SORINDCformat = ''ccycccccc''	Acronym:	lg_vsp	Code: 18002
Data Dictionary (DD) Reference:DD Name:IENCDate accepted:2001-05-31Definition:Waterway or waterway section for which a juridical regulation with respect to the maximum permitted vessel speed exists.Attribute Bindings:Attribute Bindings:acronymusageconstraintsIggesOvalue list = "1,2,3,4"Ig_relOvalue list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32"Ic_csiOvalue list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32"Ic_casiOvalue list = "1,2,3,5,6,7,8,9,10"Ic_casiOvalue list = "1,2,3,5,6,7,8,9,10"Ic_caseOvalue list = "1,2,3,5,6,7,8,9,10"Ic_cciOvalue list = "1,2,3,5,6,7,8,9,10"Ic_cceiOvalue list = "1,2,3,5,6,7,8,9"Ic_cceiOvalue list = "1,2,3,5,6,7,8,9"Ic_cceiOvalue list = "1,2,3,5,6,7,8,9"Ig_spdOunit = "km/h" decimal digits = "2"Ig_spfOvalue list = "1,2,3"DATSTAOformat = "corymmdd"DATENDOformat = "corymmdd"PERSTAOformat = "corymmdd"PERENDOformat = "corymmdd"SORDATCformat = "corymmdd"SORINDCformat = "corycccccc"	Type:	G	
DD Name: IENC Date accepted: 2001-05-31 Definition: Waterway or waterway section for which a juridical regulation with respect to the maximum permitted vessel speed exists. Attribute Bindings: acronym usage constraints Ig_rel 0 value list = "1,2,3,4" Ig_des 0 Ic_csi 0 value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_see 0 value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_asi 0 value list = "1,2,3,5,6,7,8,9,10" Ic_ase 0 value list = "1,2,3,5,6,7,8,9,10" Ic_cci 0 value list = "1,2,4,5,6,7,8,9" Ic_cce 0 value list = "1,2,4,5,6,7,8,9" Ic_cce 0 value list = "1,2,4,5,6,7,8,9" Ic_spr 0 value list = "1,2,3" Ig_spd 0 unit = "km/h" decimal digits = "2" Ig_spr 0 value list = "1,2,3" DATSTA 0 format = "ccymmdd" DATEND 0 format = "ccymmdd" PERSTA 0 format = "ccymmdd" PERSTA 0 format = "ccymmdd" SORDAT C format = "ccymmdd" SORDAT C format = "ccymmdd"	Primitive:	А	
DD Name: IENC Date accepted: 2001-05-31 Definition: Waterway or waterway section for which a juridical regulation with respect to the maximum permitted vessel speed exists. Attribute Bindings: acronym usage constraints Ig_rel 0 value list = "1,2,3,4" Ig_des 0 Ic_csi 0 value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_see 0 value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_asi 0 value list = "1,2,3,5,6,7,8,9,10" Ic_ase 0 value list = "1,2,3,5,6,7,8,9,10" Ic_cci 0 value list = "1,2,4,5,6,7,8,9" Ic_cce 0 value list = "1,2,4,5,6,7,8,9" Ic_cce 0 value list = "1,2,4,5,6,7,8,9" Ic_spr 0 value list = "1,2,3" Ig_spd 0 unit = "km/h" decimal digits = "2" Ig_spr 0 value list = "1,2,3" DATSTA 0 format = "ccymmdd" DATEND 0 format = "ccymmdd" PERSTA 0 format = "ccymmdd" PERSTA 0 format = "ccymmdd" SORDAT C format = "ccymmdd" SORDAT C format = "ccymmdd"	Data Dictio	nary (DD) F	Reference:
Definition:Waterway or waterway section for which a juridical regulation with respect to the maximum permitted vessel speed exists.Attribute Bindings:acronymusageconstraintslg_relOvalue list = "1,2,3,4"lg_desOlc_csiOvalue list = $"1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32"lc_cseOvalue list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32"lc_asiOvalue list = "1,2,3,5,6,7,8,9,10"lc_aseOvalue list = "1,2,3,5,6,7,8,9,10"lc_cciOvalue list = "1,2,4,5,6,7,8,9"lc_cceOvalue list = "1,2,4,5,6,7,8,9"lg_wduOvalue list = "1,2,3,5lg_sprOunit = "km/h" decimal digits = "2"lg_sprOunit = "indexid"DATSTAOformat = "ccyymmdd"PERSTAOformat = "ccyymmdd"PERENDOformat = "ccyymmdd"SORDATCformat = "ccymmdd"SORINDCformat = "ccycccccc"$			
acronym usage constraints Ig_rel 0 value list = "1,2,3,4" Ig_des 0 Ic_csi 0 value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_cse 0 value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_cse 0 value list = "1,2,3,5,6,7,8,9,10" Ic_asi 0 value list = "1,2,3,5,6,7,8,9,10" Ic_cci 0 value list = "1,2,4,5,6,7,8,9,10" Ic_cci 0 value list = "1,2,4,5,6,7,8,9" Ic_cce 0 value list = "1,2,4,5,6,7,8,9" Ig_wdu 0 value list = "1,2,3" Ig_spd 0 unit = "hm/h" decimal digits = "2" Ig_spr 0 value list = "1,2,3" DATSTA 0 format = "ccyymmdd" PERSTA 0 format = "ccyymmdd" PEREND 0 format = "ccyymmdd" SORDAT C format = "ccyymmdd"		Waterwa	y or waterway section for which a juridical regulation with respect to the maximum permitted
Ig_rel O value list = "1,2,3,4" Ig_des O Ic_csi O value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_cse O value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_cse O value list = "1,2,3,5,6,7,8,9,10" Ic_asi O value list = "1,2,3,5,6,7,8,9,10" Ic_ase O value list = "1,2,3,5,6,7,8,9,10" Ic_cci O value list = "1,2,3,5,6,7,8,9,10" Ic_cce O value list = "1,2,4,5,6,7,8,9" Ic_cce O value list = "1,2,3,5,6,7,8,9" Ig_wdu O value list = "1,2,3" Ig_spd O unit = "km/h" decimal digits = "2" Ig_spf O value list = "1,2,3" DATSTA O format = "ccymmdd" DATSTA O format = "ccymmdd" PERSTA O format = "ccymmdd" PEREND O format = "ccymmdd" SORDAT C format = "ccymmdd"	Attribute Bi	ndings:	
Ig_des O Ic_csi O value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_cse O value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_ase O value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_ase O value list = "1,2,3,5,6,7,8,9,10" Ic_ase O value list = "1,2,3,5,6,7,8,9,10" Ic_cci O value list = "1,2,4,5,6,7,8,9" Ic_cce O value list = "1,2,4,5,6,7,8,9" Ig_wdu O value list = "1,2,3" Ig_wdu O value list = "1,2,3" Ig_spd O unit = "km/h" decimal digits = "2" Ig_spr O value list = "1,2,3" DATSTA O format = "ccyymmdd" PERSTA O format = "ccyymmdd" PEREND O format = "ccyymmdd" SORDAT C format = "ccyymmdd"	acronym	usage	constraints
lc_csi O value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" lc_cse O value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" lc_asi O value list = "1,2,3,5,6,7,8,9,10" lc_ase O value list = "1,2,3,5,6,7,8,9,10" lc_cci O value list = "1,2,4,5,6,7,8,9" lc_cce O value list = "1,2,4,5,6,7,8,9" lg_wdu O value list = "1,2,3" lg_spd O unit = "km/h" decimal digits = "2" lg_spr O value list = "1,2,3" DATSTA O format = "ccyymmdd" DATEND O format = "ccyymmdd" PERSTA O format = "ccyymmdd" SORDAT C format = "ccyymmdd"	lg_rel	Ο	value list = "1,2,3,4"
"1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" lc_cse Value list = "1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" lc_asi Value list = "1,2,3,5,6,7,8,9,10" lc_ase Value list = "1,2,3,5,6,7,8,9,10" lc_cci Value list = "1,2,4,5,6,7,8,9" lc_cce Value list = "1,2,4,5,6,7,8,9" lg_wdu Value list = "1,2,3" lg_spd Unit = "km/h" decimal digits = "2" lg_spr Value list = "1,2,3" DATSTA format = "ccyymmdd" PERSTA format = "ccyymmdd" PERSTA format = "ccyymmdd" PERSTA format = "ccyymmdd" SORDAT C format = "ccyymmdd"	lg_des	0	
"1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32" Ic_asi O value list = "1,2,3,5,6,7,8,9,10" Ic_ase O value list = "1,2,3,5,6,7,8,9,10" Ic_cci O value list = "1,2,4,5,6,7,8,9" Ic_cce O value list = "1,2,4,5,6,7,8,9" Ig_wdu O value list = "1,2,3" Ig_spd O unit = "km/h" decimal digits = "2" Ig_spr O value list = "1,2,3" DATSTA O format = "ccyymmdd" PERSTA O format = "ccyymmdd" PERSTA O format = "ccyymmdd" SORDAT C format = "ccyymmdd" SORIND C format = "ccycccccc,"	lc_csi	0	
lc_ase O value list = "1,2,3,5,6,7,8,9,10" lc_cci O value list = "1,2,4,5,6,7,8,9" lc_cce O value list = "1,2,4,5,6,7,8,9" lg_wdu O value list = "1,2,3" lg_spd O unit = "km/h" decimal digits = "2" lg_spr O value list = "1,2,3" DATSTA O format = "ccyymmdd" DATEND O format = "ccyymmdd" PERSTA O format = "ccyymmdd" SORDAT C format = "ccyymmdd" SORIND C format = "ccycccccc,"	lc_cse	0	
Ic_cciOvalue list = "1,2,4,5,6,7,8,9"Ic_cceOvalue list = "1,2,4,5,6,7,8,9"Ig_wduOvalue list = "1,2,3"Ig_spdOunit = "km/h" decimal digits = "2"Ig_sprOvalue list = "1,2,3"DATSTAOformat = "ccyymmdd"DATENDOformat = "ccyymmdd"PERSTAOformat = "ccyymmdd"PERSTAOformat = "ccyymmdd"SORDATCformat = "ccyymmdd"	lc_asi	0	value list = "1,2,3,5,6,7,8,9,10"
Ic_cceOvalue list = "1,2,4,5,6,7,8,9"Ig_wduOvalue list = "1,2,3"Ig_spdOunit = "km/h" decimal digits = "2"Ig_sprOvalue list = "1,2,3"DATSTAOformat = "ccyymmdd"DATENDOformat = "ccyymmdd"PERSTAOformat = "ccyymmdd"PERENDOformat = "ccyymmdd"SORDATCformat = "ccyymmdd"	lc_ase	0	value list = "1,2,3,5,6,7,8,9,10"
lg_wduOvalue list = "1,2,3"lg_spdOunit = "km/h" decimal digits = "2"lg_sprOvalue list = "1,2,3"DATSTAOformat = "ccyymmdd"DATENDOformat = "ccyymmdd"PERSTAOformat = "ccyymmdd"PERENDOformat = "ccyymmdd"SORDATCformat = "ccyymmdd"SORINDCformat = "cc,cc,cccc,c"	lc_cci	0	value list = "1,2,4,5,6,7,8,9"
Ig_spdOunit = "km/h" decimal digits = "2"Ig_sprOvalue list = "1,2,3"DATSTAOformat = "ccyymmdd"DATENDOformat = "ccyymmdd"PERSTAOformat = "ccyymmdd"PERENDOformat = "ccyymmdd"SORDATCformat = "ccyymmdd"SORINDCformat = "cc,cc,ccccc,c"	lc_cce	Ο	value list = "1,2,4,5,6,7,8,9"
lg_sprOvalue list = "1,2,3"DATSTAOformat = "ccyymmdd"DATENDOformat = "ccyymmdd"PERSTAOformat = "ccyymmdd"PERENDOformat = "ccyymmdd"SORDATCformat = "ccyymmdd"SORINDCformat = "cc,cc,ccccc,c"	lg_wdu	0	value list = "1,2,3"
DATSTAOformat = "ccyymmdd"DATENDOformat = "ccyymmdd"PERSTAOformat = "ccyymmdd"PERENDOformat = "ccyymmdd"SORDATCformat = "ccyymmdd"SORINDCformat = "cc,cc,ccccc,c"	lg_spd	0	unit = "km/h" decimal digits = "2"
DATENDOformat = "ccyymmdd"PERSTAOformat = "ccyymmdd"PERENDOformat = "ccyymmdd"SORDATCformat = "ccyymmdd"SORINDCformat = "cc,cc,ccccc,c"	lg_spr	Ο	value list = "1,2,3"
PERSTAOformat = "ccyymmdd"PERENDOformat = "ccyymmdd"SORDATCformat = "ccyymmdd"SORINDCformat = "cc,cc,ccccc,c"	DATSTA	Ο	format = "ccyymmdd"
PEREND O format = "ccyymmdd" SORDAT C format = "ccyymmdd" SORIND C format = "cc,cc,ccccc,c"	DATEND	0	format = "ccyymmdd"
SORDATCformat = "ccyymmdd"SORINDCformat = "cc,cc,ccccc,c"	PERSTA	0	format = "ccyymmdd"
SORIND C format = "cc,cc,ccccc,c"	PEREND	0	format = "ccyymmdd"
	SORDAT	С	format = "ccyymmdd"
lg_pbr O	SORIND	С	format = "cc,cc,ccccc,c"
	lg_pbr	0	

Feature	Navig	Navigational system of marks		
Acronym:	m_nsy	ys Code: 1	17018	
Туре:	М			
Primitive:	А			
Data Diction	nary (DD) F	Reference:		
DD Name:	IENC	Date accepted: 2001-05-31		
Definition:	An area within which a specific system of navigational marks applies and/or a common direction of buoyage.			
Attribute Bi	ndings:			
acronym	usage	constraints		
marsys	М	value list = "1,2,9,10,11,12,13,14,15"		
SORDAT	С	format = "ccyymmdd"		
UUNDAI		format = "cc,cc,ccccc,c"		
SORIND	С			

Feature	Notice mark	
Acronym:	notmrk	Code: 17050
Туре:	G	
Primitive:	Р	

DD Name: IENC Date accepted: 2001-05-31

Definition: A signboard used to indicate prohibitions, regulations, restrictions, recommendations and general information which apply to a waterway or a section of a waterway

acronym	usage	constraints
addmrk	0	value list = "1,2,3,4,5"
catnmk	М	value list = "1 - 123"
dirimp	0	value list = "1,2,3,4,5"
disipd	0	unit = "m" decimal digits = "1"
disipu	0	unit = "m" decimal digits = "1"
disbk1	0	unit = "m" decimal digits = "1"
disbk2	0	unit = "m" decimal digits = "1"
fnctnm	М	value list = "1,2,3,4,5"
marsys	0	value list = "1,2,9,10,11,12,13,14,15"
ORIENT	С	unit = "deg" decimal digits = "2"
STATUS	0	value list = "2,3,4,5,8,9,12,14,16,17"
bnkwtw	0	value list = "1,2"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	Μ	min = "1"
PICREP	0	

acronym	usage	constraints
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
mmsico	0	format = "xxxxxxxxx"

Feature	Pipeline, overhead	
Acronym:	pipohd	Code: 17024
Туре:	G	
Primitive:	L	

DD Name: IENC Date accepted: 2001-05-31

Definition: A pipeline is a string of interconnected pipes used for the transport of matter, nowadays mainly oil or gas. (IHO Dictionary, S-32, 5th Edition, 3857). An overhead pipeline is a pipeline supported by pylons and passing over or nearby navigable waters.

acronym	usage	constraints
CATPIP	М	value list = "2,3,4,6"
PRODCT	М	value list = "1,2,3,4,5,6,7,8,14,15,17,21,22"
VERCLR	М	unit = "m" decimal digits = "2"
verdat	0	value list = "12,23,24,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"
hunits	0	value list = "1,2,3,4,5,6"
wtwdis	0	decimal digits = "3"
unlocd	С	
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"

acronym	usage	constraints
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
vcrlev	0	
vcrval	0	unit = "m" decimal digits = "2"
refgag	С	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Pontoon	
Acronym:	ponton	Code: 17021
Туре:	G	
Primitive:	Α	

DD Name: IENC Date accepted: 2001-05-31

Definition: A floating structure, usually rectangular in shape which serves as landing, pier head or bridge support. (IHO Dictionary, S-32, 5th Edition, 3947)

acronym	usage	constraints
unlocd	С	
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

acronym usage constraints STATUS O value list = "5"

Feature	Port area	
Acronym:	prtare	Code: 17059
Туре:	G	
Primitive:	Α	

DD Name: IENC Date accepted: 2001-05-31

Definition: Apart from harbours a port includes a city or borough with accommodation and facilities for landing passengers and goods and some amount of overseas trade. A port may possess a harbour but a harbour is not necessarily a port (International Maritime Dictionary, 2d. Edition).

acronym	usage	constraints
unlocd	С	
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	Ο	
SCAMIN	Μ	min = "1"
PICREP	0	
TXTDSC	Ο	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	Ο	format = "ccyymmdd"
PEREND	Ο	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Radio calling-in point	
Acronym:	rdocal	Code: 17017
Туре:	G	
Primitive:	P,L	

DD Name: IENC Date accepted: 2001-05-31

Definition: Also called radio reporting points, they have been established in certain busy waterways and port approaches to assist traffic control. On passing these points or crossing a defined line vessels are required to report on VHF to a Traffic Control Centre. (adapted from IHO Chart Specifications, M-4)

acronym	usage	constraints
catcom	М	value list = "1,2,3,4,5,6,7,8"
COMCHA	М	format = "[[XXXX];[XXXX];]"
ORIENT	М	unit = "deg" decimal digits = "2"
TRAFIC	М	value list = "1,2,3,4"
OBJNAM	0	
NOBJNM	0	
unlocd	С	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	С	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"

acronym	usage	constraints
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Refuse dump	
Acronym:	refdmp	Code: 17062
Туре:	G	
Primitive:	Р	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	At a refuse dump	ships are able to ur	nload their refuse like waste oil or black water.

acronym	usage	constraints
catrfd	0	value list = "1,2,3,4"
unlocd	С	
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	Ο	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	Ο	
STATUS	0	value list = "5"

Feature	Restricted area	
Acronym:	resare	Code: 17005
Туре:	G	

Primitive: A

Data Dictionary (DD) Reference:

DD Name:	IENC	Date accepted:	2001-05-31
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Definition: A specified area designated by an appropriate authority within which navigation is restricted in accordance with certain specified conditions. (adapted from IHO Dictionary, S-32, 5th Edition, 4366)

acronym	usage	constraints
CATREA	0	value list = "1,4,5,9,12,19,22,23,25,26,33"
restrn	М	value list = "1,2,7,8,13,14,27,28,29,30,31,32,33,34,35,36,37,38,40,41"
NATSUR	0	value list = "1,2,3,4,5,6,7,8,9,11,14,17,18"
OBJNAM	0	
NOBJNM	0	
INFORM	С	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	С	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Sensor	
Acronym:	sensor	Code: 18004
Туре:	G	
Primitive:	Р	

DD Name: IENC Date accepted: 2011-12-19

Definition: A device that responds to a physical stimulus (as heat, light, sound, pressure, magnetism or a particular motion) and transmits a resulting impulse (as for measurement or operating a control).

acronym	usage	constraints
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
catsen	М	value list = "1,2"
fnctsn	М	value list = "1"
SCAMIN	М	min = "1"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
TXTDSC	0	
PICREP	0	
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Shoreline Construction	
Acronym:	slcons	Code: 17032
Туре:	G	
Primitive:	L,A	

DD Name:	IENC	Date accepted:	2001-05-31	
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Definition: A fixed (not afloat) artificial structure between the water and the land, i.e. a man-made coastline.

acronym	usage	constraints
catslc	М	value list = "2,7,8,9,18,19,20"
NATCON	0	value list = "1,2,3,4,5,6,7,8,9"
watlev	С	value list = "1,2,3,4,8,9"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Feature	Signal station, traffic	
Acronym:	sistat	Code: 17007
Туре:	G	
Primitive:	P	

DD Name: IENC Date accepted: 2001-05-31

Definition: A signal station is a place on shore from which signals are made to ships at sea. (IHO Dictionary, S-32, 5th Edition, 4742). Traffic signal stations regulate the movement of traffic. (IHO Chart Specifications, M-4)

acronym	usage	constraints
catsit	М	value list = "2,6,8,10"
dirimp	0	value list = "1,2,3,4"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
unlocd	С	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Signal station, warning	
Acronym:	sistaw	Code: 17008
Туре:	G	
Primitive:	Ρ	

DD Name: IENC Date accepted: 2001-05-31

Definition: A signal station is a place on shore from which signals are made to ships at sea. (IHO Dictionary, S-32, 5th Edition, 4742)

acronym	usage	constraints
catsiw	Μ	value list = "15,16,18"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	С	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Sound	ding datum		
Acronym:	m_sda	at	Code:	17022
Туре:	М			
Primitive:	А			
Data Diction	ary (DD) F	Reference:		
DD Name:	IENC	Date accepted: 2001-05-31		
Definition:	An area c	of uniform sounding datum.		
Attribute Bin	dings:			
acronym	usage	constraints		
verdat	М	value list = "12,23,24,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"		
SORDAT	С	format = "ccyymmdd"		
SORIND	С	format = "cc,cc,ccccc,c"		

Feature	Terminal	
Acronym:	termnl	Code: 17064
Туре:	G	
Primitive:	P,A	

DD Name: IENC Date accepted: 2001-05-31

Definition: A terminal covers that area on shore which provides buildings and constructions for the transfer of cargo or passengers from and to ships.

acronym	usage	constraints
cathaf	М	value list = "1,3,7,8,10,11"
trshgd	0	value list = "1,2,3,4,5,6,7,8,9,10"
unlocd	С	
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Time Schedule - in general		
Acronym:	tisdge	Code	17068
Actonym.	lisuge	Coue.	17000
Туре:	0		
Primitive:	Ν		

Data Dictionary	1	(DD)) Reference:

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	A schedule listi	ing events and the time	es at which they will take place (www.wordiq.com/dictionary).

acronym	usage	constraints
aptref	0	
cattab	М	value list = "1,2"
dirimp	0	value list = "1,2,3,4"
schref	М	
shptyp	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12,13,14,15"
useshp	М	value list = "1,2,3"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
STATUS	0	value list = "5"

Feature	Turning	g basin
Acronym:	trnbsn	Code: 1706
Туре:	G	
Primitive:	P,A	
Data Diction	<u>nary (DD) R</u>	eference:
DD Name:	IENC	Date accepted: 2001-05-31
Definition:	An area o 2d Edition	f water or enlargement of a channel used for turning vessels (International Maritime Dictionary,).
Attribute Bir	ndings:	
acronym	usage	constraints
HORCLR	0	unit = "m" decimal digits = "2"
unlocd	С	
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	Ο	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"

STATUS O value list = "5"

0

NTXTDS

Feature	Underwater rock / awash rock	
Acronym:	uwtroc	Code: 17033
Туре:	G	
Primitive:	P,A	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	A concreted mass	of stony material o	or coral which dries, is awash or is below the water surface.

acronym	usage	constraints
VALSOU	М	unit = "m" decimal digits = "2"
watlev	М	value list = "1,2,3,4,8,9"
NATSUR	0	value list = "5,9,11,14,18"
QUASOU	0	value list = "1,2,8,10,11"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
NTXTDS	0	
EXPSOU	С	value list = "1,2,3"
HORACC	0	unit = "m" decimal digits = "1"
VERACC	0	unit = "m" decimal digits = "1"
CATTEV	0	value list = "4,5,6"

Feature	Vehicle	e transfer
Acronym:	vehtrf	Code: 17069
Type:	G	
Primitive:	P,A	
Data Dictio	nary (DD) R	leference:
DD Name:	IENC	Date accepted: 2001-05-31
Definition:	A place w	here vehicles can be loaded or unloaded from the inland vessel with onboard or on-shore
	facilities.	
Attribute Bi	ndings:	
o or o o l	110000	constraints
acronym	usage M	value list = "1,2,3,4,5,6"
catvtr HEIGHT	M	unit = "m" decimal digits = "2"
unlocd	C	
verdat	0	value list = "12,23,24,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"
CONDTN	0	value list = "1,2,3,5"
OBJNAM	0	
NOBJNM	0	
INFORM	Ο	
NINFOM	Ο	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	Ο	format = "ccyymmdd"
PERSTA	Ο	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
vcrlev	0	

acronym	usage	constraints
vcrval	Ο	unit = "m" decimal digits = "2"
NTXTDS	0	
STATUS	0	value list = "5"

Feature	Vertica	al datum		
_	_			
Acronym:	m_vda	at	Code:	17023
Туре:	М			
Primitive:	А			
Data Diction	ary (DD) F	Reference:		
DD Name:	IENC	Date accepted: 2001-05-31		
Definition: An area of uniform vertical datum.				
<u>Attribute Bin</u>	dings:			
acronym	usage	constraints		
verdat	М	value list = "12,23,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"		
SORDAT	С	format = "ccyymmdd"		

SORIND C format = "cc,cc,ccccc,c..."

Feature	Waterway area	
Acronym:	wtware	Code: 17066
Туре:	G	
Primitive:	A	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	An area in which u	niform general info	rmation of the waterway exists.

acronym	usage	constraints
catccl	М	value list = "1,2,3,4,5,6,7,8,9,10,11,12"
dirimp	М	value list = "1,2,3,4"
unlocd	С	
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
STATUS	0	value list = "5"
NTXTDS	0	

Feature	Waterway axis	
Acronym:	wtwaxs	Code: 17051
Type:	G	
Primitive:	L	

DD Name:	IENC	Date accepted:	2001-05-31

Definition: The waterway axis can be defined by e.g: - the middle line of a fairway, (Definition of fairway: That part of a river, harbour; etc. where the main navigable channel for vessels of larger size lies. It is also the usual course followed by vessels entering or leaving harbours, called 'ship channel'. (International Maritime Dictionary, 2nd Ed.). - the middle line of a waterway (Definition of waterway: The waterway covers the entire area of a river or canal).

acronym	usage	constraints
catccl	0	value list = "1,2,3,4,5,6,7,8,9,10,11,12"
OBJNAM	М	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,cccc,c"
STATUS	0	value list = "5"
NTXTDS	0	

Feature	Waterway gauge	
Acronym:	wtwgag	Code: 17067
Туре:	G	
Primitive:	P,A	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	A waterway gauge	is an instrument fo	or measuring water levels

acronym	usage	constraints
catgag	0	value list = "1,2,3,4,5"
disipd	0	unit = "m" decimal digits = "1"
disipu	0	unit = "m" decimal digits = "1"
ELEVAT	0	unit = "m" decimal digits = "2"
higwat	0	unit = "m" decimal digits = "2"
hignam	0	
lowwat	0	unit = "m" decimal digits = "2"
lownam	0	
meawat	0	unit = "m" decimal digits = "2"
meanam	0	
othwat	0	unit = "m" decimal digits = "2"
othnam	0	
reflev	0	value list = "1,2,3,4,5,6,7,8,9,10"
sdrlev	0	
unlocd	С	
vcrlev	0	
verdat	0	value list = "12,31,32,33,34,35,36,37,38,39,40,41,42,43,45"
hunits	0	value list = "1,2,3,4,5,6"
wtwdis	0	decimal digits = "3"
CONDTN	0	value list = "1,2,3,5"

acronym	usage	constraints
OBJNAM	С	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
STATUS	0	value list = "5"
sdrval	0	unit = "m" decimal digits = "2"
vcrval	0	unit = "m" decimal digits = "2"
NTXTDS	0	

Feature	Waterway profile	
Acronym:	wtwprf	Code: 17052
Туре:	G	
Primitive:	L	

DD Name:	IENC	Date accepted:	2001-05-31
Definition:	A waterway profile	is an imaginary (i.	e., physically non-existent) line across the waterway.

acronym	usage	constraints
hunits	М	value list = "1,2,3,5,6"
wtwdis	М	decimal digits = "3"
HEIGHT	С	unit = "m" decimal digits = "2"
reflev	С	value list = "1,2,3,4,5,6,7,8,9,10"
verdat	С	value list = "12,23,30,31,32,33,34,35,36,37,38,39,40,41,42,43,45"
OBJNAM	0	
NOBJNM	0	
INFORM	0	
NINFOM	0	
SCAMIN	М	min = "1"
PICREP	0	
TXTDSC	0	
DATSTA	0	format = "ccyymmdd"
DATEND	0	format = "ccyymmdd"
PERSTA	0	format = "ccyymmdd"
PEREND	0	format = "ccyymmdd"
SORDAT	С	format = "ccyymmdd"
SORIND	С	format = "cc,cc,ccccc,c"
STATUS	0	value list = "5"
sdrlev	0	

acronym	usage	constraints
sdrval	0	unit = "m" decimal digits = "2"
NTXTDS	0	
HORACC	0	unit = "m" decimal digits = "2"
VERACC	0	unit = "m" decimal digits = "2"
CATTEV	0	value list = "4,5,6"

Attribute	Beacon	shano					
Allibule	Deacon	shape					
Acronym:	BCNSH	Þ				Code:	2
Use Type:	F						
Value Typ	e: E						
Data Dictio	onary (DD) Re	erence:					
DD Name:	HYDRO	Date accepte	ed: 2000-11-01				
Definition:							
<u>Enumerati</u>	ons:						
	<u></u>						
Value	Data Dictionary (DD) Reference						
1	DD Name:	HYDRO Code:	BCNSHP_1	Date accepted:	2000-11-01		
	Name:	stake, pole, perch, po	st				
	Definition:	nition: an elongated wood or metal pole, embedded in the bottom to serve as a navigational aid or a nort for a navigational aid. (adapted from IHO Dictionary S-32, 5th Edition, 4960)					
	support for	navigational aid. (ada	apted from IHO Dictio	onary S-32, 5th Ec	lition, 4960)		
2	DD Name:	HYDRO Code:	BCNSHP_2	Date accepted:	2000-11-01		
	Name:	withy					
	Definition:	nition: a tree without roots stuck or spoiled into the bottom of the sea to serve as a navigational aid.					
3	DD Name:	HYDRO Code:	BCNSHP_3	Date accepted:	2000-11-01		
	Name:	beacon tower					
	Definition:	a solid structure of the	e order of 10 metres	in height used as	a navigational aid.		
4	DD Name:	HYDRO Code:	BCNSHP_4	Date accepted:	2000-11-01		
	Name:	attice beacon					
	Definition: a structure consisting of strips of metal or wood crossed or interlaced to form a structure to						
	serve as an	aid to navigation or as	s a support for an aid	to navigation.			
5	DD Name:	HYDRO Code:	BCNSHP_5	Date accepted:	2000-11-01		
	Name:	pile beacon					
	Definition: a long heavy timber(s) or section(s) of steel, wood, concrete, etc., forced into the seabed to serve as an aid to navigation or as a support for an aid to navigation.(Adapted from IHO Dictionary, S-32, 5th Edition, 3840 and Navigation Dictionary, US National Oceanic and Atmospheric Administration - NOAA, 1969)						

Value Data Dictionary (DD) Reference

6 DD Name: HYDRO Code: BCNSHP_6 Date accepted: 2000-11-01 Name: cairn Definition: a mound of stones, usually conical or pyramidal, raised specifically for maritime navigation. (adapted from IHO Dictionary, S-32, 5th Edition, 601).

7 DD Name: HYDRO Code: BCNSHP_7 Date accepted: 2000-11-01

Name: buoyant beacon

Definition: a tall spar-like beacon fitted with a permanently submerged buoyancy chamber, the lower end of the body is secured to seabed sinker either by a flexible joint or by a cable under tension. (IHO Specifications, M-4, 459.1)

Attribute	Buoy s	hape						
Acronym:	BOYSI	ΗP					Code:	4
Use Type:	F							
Value Type	e: E							
Data Dictio	nary (DD) R	<u>eference:</u>						
DD Name:	HYDRO	Date	e accept	ted: 2000-11-01				
Definition:								
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Ref	erence					
1	DD Name:	HYDRO	Code:	BOYSHP_1	Date accepted:	2000-11-01		
	Name:	conical (nun,	ogival)					
	Definition: approximat			•	vater-line, or the great pinted cone with the p		structure, has	
2	DD Name:	HYDRO	Code:	BOYSHP_2	Date accepted:	2000-11-01		
	Name:	can (cylindric	al)					
	Definition: the shape o			•	vater-line, or the great oproximates to a cyline			
3	DD Name:	HYDRO	Code:	BOYSHP_3	Date accepted:	2000-11-01		
	Name:	spherical						
	Definition: the shape of	the upper pa of a part of a s		body above the v	vater-line, or the great	er part of the super	structure, has	
4	DD Name:	HYDRO	Code:	BOYSHP_4	Date accepted:	2000-11-01		
	Name:	pillar						
	Definition: narrow ver	the upper pa tical structure,		•	vater-line, or the great	er part of the super	structure is a	
5	DD Name:	HYDRO	Code:	BOYSHP_5	Date accepted:	2000-11-01		
	Name:	spar (spindle)					
	Definition: the form of			body above the v ng cylinder, floatir	vater-line, or the great ng upright.	er part of the super	structure, has	

Value	Data Dictio	nary (DD) Ref	ference			
6	DD Name:	HYDRO	Code:	BOYSHP_6	Date accepted:	2000-11-01
	Name:	barrel (tun)				
	Definition: the form of			body above the water ating horizontally.	-line, or the great	er part of the superstructure, has
7	DD Name:	HYDRO	Code:	BOYSHP_7	Date accepted:	2000-11-01
	Name:	super-buoy				
	Definition:	a very large	buoy, ge	enerally more than 5m	in diameter	
8	DD Name:	HYDRO	Code:	BOYSHP_8	Date accepted:	2000-11-01
	Name:	ice buoy				
	Definition:	a specially c	onstruct	ed shuttle shaped buc	y which is used in	ice conditions.

Attribute	Buried depth		
Acronym:	BURDEP	Code:	5
Use Type:	F		
Value Type:	F		

Data Dictionary (DD) Reference:

DD Name:	HYDRO	Date accepted:	2000-11-01	
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Definition: The depth below the sea bed to which an object is buried.

Attribute	Cotocc	onv of airport/airfield		
Allinbule	Calego	ory of airport/airfield		
Acronym:	CATAI	IR	Code:	7
Use Type:	F			
Value Type	e: L			
Data Dictio	onary (DD) R	Reference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeratio	ons:			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	HYDRO Code: CATAIR_1 Date accepted: 2000-11-01		
	Name:	military aeroplane airport		
	Definition: the receivir	a large military airfield usually equipped with a control tower, hangars and acc ng and discharging of passengers or cargo. (adapted from The Macquarie Dictio		or
2	DD Name:	HYDRO Code: CATAIR_2 Date accepted: 2000-11-01		
	Name:	civil aeroplane airport		
	Definition: receiving a	a large airfield usually equipped with a control tower, hangars and accommodand discharging of passengers or cargo. (The Macquarie Dictionary, 1988)	ation for the	
	-			
4	DD Name:			
	Name:	civil heliport		
	Definition:	a landing place for helicopters, often the roof of a building. (The Macquarie Die	ctionary, 1988))
6	DD Name:	HYDRO Code: CATAIR_6 Date accepted: 2000-11-01		
	Name:	small planes airfield		
	Definition:	an area of land set aside for the take-off and landing of small aeroplanes.		

Attribute	Catag	ony of bridge	
Allindule	Calego	ory of bridge	
Acronym:	CATB	RG	Code: 9
Use Type:	F		
Value Type	e: L		
Data Dictio	onary (DD) R	Reference:	
DD Name:	HYDRO	Date accepted: 2000-11-01	
Definition:			
Enumerati	ons:		
Value	Data Dictic	onary (DD) Reference	
1	DD Name:	HYDRO Code: CATBRG_1 Date accepted: 2000-11-0	1
	Name:	fixed bridge	
	Definition: Scientific a	a bridge having permanent horizontal and vertical alignment. (McGraw-F and Technical Terms, 3rd Edition, 1984)	lill Dictionary of
3	DD Name:	HYDRO Code: CATBRG_3 Date accepted: 2000-11-0	I
C	Name:	swing bridge	
	Definition:		out a vertical pivot to
	allow the p Edition, 19	passage of vessels. (adapted from McGraw-Hill Encyclopaedia of Science a	and Technology, 7th
4	DD Name:		I
	Name: Definition:	lifting bridge a movable bridge (or span thereof) which is capable of being lifted vertication	ally to allow yoscols to
		ath. (adapted from IHO Dictionary, S-32, 5th Edition, 547)	any to anow vessels to
5	DD Name:	HYDRO Code: CATBRG_5 Date accepted: 2000-11-0	I
	Name:	bascule bridge	
	Definition:		ooth ends. Also called
	a balance.	(IHO Dictionary, S-32, 5th Edition, 545)	
7	DD Name:	HYDRO Code: CATBRG_7 Date accepted: 2000-11-0	1
	Name:	draw bridge	
	Definition:	a general name for bridges of which part or the entire span of the bridge	may be raised or

Value	Data Dictionary (DD) Reference						
	drawn asid	e to allow ship	os to pas	s through. IHO Diction	nary, S-32, 5th Ed	ition, 546)	
9	DD Name:	HYDRO	Code:	CATBRG_9	Date accepted:	2000-11-01	
	Name:	footbridge					
	Definition: Technical ⁻	a bridge stru Terms, 3rd Ed		• •	n traffic. (McGraw-	Hill Dictionary of Scientific and	
11	DD Name:	HYDRO	Code:	CATBRG_11	Date accepted:	2000-11-01	
	Name:	aqueduct					
		a bridge sup Shorter English		•	channel, for the co	onveyance of water. (adapted from	
12	DD Name:	HYDRO	Code:	CATBRG_12	Date accepted:	2000-11-01	
	Name:	suspension	bridge				
	•	-	and are a	anchored by backstay	•	ended from two or more cables ion. (McGraw-Hill Encylopaedia of	
13	DD Name:	IENC	Code:	CATBRG_13	Date accepted:	2000-11-01	
	Name:	bridge arch					
	Definition:	an arched b	ridge wit	h known clearances			

Attribute	Catego	bry of built-up area		
Acronym:	CATBL	JA	Code:	10
Use Type:	F			
Value Type:	Е			
Data Diction	ary (DD) R	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeratior	าร:			
	<u>10.</u>			
Value	Data Dictio	nary (DD) Reference		
1	DD Name:	HYDRO Code: CATBUA_1 Date accepted: 2000-11-01		
	Name:	urban area		
	Definition: industrial p	an area predominantly occupied by man-made structures used for residential, c urposes. (Nautical Chart Manual, US Department of Commerce, 1992)	ommercial, a	and
2	DD Name:	HYDRO Code: CATBUA_2 Date accepted: 2000-11-01		
	Name:	settlement		
	Definition:	a small collection of dwellings in a remote area.		
3	DD Name:	HYDRO Code: CATBUA_3 Date accepted: 2000-11-01		
	Name:	village		
	Definition:	a collection of houses in a rural district, usually smaller than a town.		
4	DD Name:	HYDRO Code: CATBUA_4 Date accepted: 2000-11-01		
	Name:	town		
	Definition: incorporate	any considerable collection of dwellings and other buildings larger than a village ed as a city.	, but not	
5	DD Name:	HYDRO Code: CATBUA_5 Date accepted: 2000-11-01		
	Name:	city		
	Definition:	a major town inhabited by a large permanent community with all essential servic		

Attribute	Catego	ry of cable							
Acronym:	CATCE	3L						Code:	11
Use Type:	F								
Value Type:	Е								
Data Dictiona	ary (DD) Re	eference:							
	HYDRO		e accept	ed: 2000-1	11-01				
Definition:									
Enumeration	e.								
	<u>s.</u>								
Value D	Data Dictio	nary (DD) Ref	erence						
1 C	DD Name:	HYDRO	Code:	CATCBL_1		Date accepted:	2000-11-01		
٢	Name:	power line							
Γ	Definition:	a cable usec	for the	supply of ele	ctricity.				
З [DD Name:	HYDRO	Code:	CATCBL_3	ł	Date accepted:	2000-11-01		
١	Name:	transmission	line						
	Definition:	•				ted by steel lattic	e towers. Such fe	atures are	
Ç	generally m	nore prominen	t than no	ormal power	lines.				
4 C	DD Name:	HYDRO	Code:	CATCBL_4		Date accepted:	2000-11-01		
٢	lame:	telephone							
C	Definition:	a cable used	I for the	transmission	of telepho	one signals.			
5 C	DD Name:	HYDRO	Code:	CATCBL_5		Date accepted:	2000-11-01		
١	Name:	telegraph							
C	Definition:	a cable used	I for the	transmission	of telegra	ph signals.			
6 D	DD Name:	HYDRO	Code:	CATCBL_6	i	Date accepted:	2000-11-01		
Ν	Name:	mooring cabl	e/chain						
•									

Attribute	Catego	ory of cardinal mark		
Acronym:	CATC	A.M.	Code:	13
			Coue.	13
Use Type:	F			
Value Type	9: E			
Data Diction	<u>nary (DD) R</u>	Reference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeratio	ons:			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	HYDRO Code: CATCAM_1 Date accepted: 2000-11-01		
	Name:	north cardinal mark		
	Definition:	, , , , , , , , , , , , , , , , , , , ,	should be	
	passed to t	the north side of the mark.		
2	DD Name:	HYDRO Code: CATCAM_2 Date accepted: 2000-11-01		
	Name:	east cardinal mark		
	Definition:	, , , , , , , , , , , , , , , , , , , ,	should be	
	passed to t	the east side of the mark.		
3	DD Name:	HYDRO Code: CATCAM_3 Date accepted: 2000-11-01		
	Name:	south cardinal mark		
	Definition:	Quadrant bounded by the true bearing SE-SW taken from the point of interest it	should be	
	passed to t	the south side of the mark.		
4	DD Name:	HYDRO Code: CATCAM_4 Date accepted: 2000-11-01		
	Name:	west cardinal mark		
	Definition:	, , , , , , , , , , , , , , , , , , , ,	should be	
	passed to t	the west side of the mark.		

Attribute	Catego	ory of coastline)					
Acronym:	CATCO	۵۵					Code	e: 15
Use Type:	F							0. 10
Value Type:								
value i ype.	L							
Data Diction				0000				
DD Name:	HYDRO	Date	e accept	ted: 2000-	11-01			
Definition:								
Enumeration	<u>ns:</u>							
Value	Data Dictio	nary (DD) Ref	erence					
	DD Name:			CATCOA_	1	Date accepted:	2000-11-01	
I	Name:		Coue.	CATCOA_	1		2000-11-01	
	Definition:	steep coast	od by re	ock or earth (oliffe aivo	a good radar ret	urn and is useful for visual	I
	identificatio	on from a cons	iderable		-	-	low lying coast along the s	
	(IHO Chart	Specifications	s, M-4)					
2	DD Name:	HYDRO	Code:	CATCOA_2	2	Date accepted:	2000-11-01	
	Name:	flat coast						
	Definition:	a level coast	with no	obvious top	ographic f	eatures.		
3	DD Name:	HYDRO	Code:	CATCOA_	3	Date accepted:	2000-11-01	
	Name:	sandy shore						
	Definition: distinguisha			•			ing of small but easily n diameter. (adapted from	IHO
	Dictionary,	S-32, 5th Edit	ion, 449	7)				
4	DD Name:	HYDRO	Code:	CATCOA_4	4	Date accepted:	2000-11-01	
	Name:	stony shore						
	Definition:			•		• •	g in size from pebbles and	gravel to
	boulders or	r large rock ma	asses. (a	adapted from	IHO Dicti	onary, S-32, 5th E	dition, 5059)	
5	DD Name:	HYDRO	Code:	CATCOA_	5	Date accepted:	2000-11-01	
	Name:	shingly shore	9					
	Definition:	a shoreline a	area ma	de up of rour	nded, ofter	n flat waterworn ro	ock fragments larger than	

Value	Data Dictio	onary (DD) Re	ference					
	approximately 16 millimetres. (adapted from IHO Dictionary, S-32, 5th Edition, 4683)							
6	DD Name:	HYDRO	Code:	CATCOA_6	Date accepted:	2000-11-01		
	Name:	glacier (seav	ward end	1)				
	Definition: Hydrograp			extension of glacier, u th Edition, 2043)	isually afloat. Also	called glacier tongue. (IHO		
7	DD Name:	HYDRO	Code:	CATCOA_7	Date accepted:	2000-11-01		
	Name:	mangrove						
	Definition: along low l		-	•		uce many prop roots and grow S-32, 5th Edition, 3064)		
8	DD Name:	HYDRO	Code:	CATCOA_8	Date accepted:	2000-11-01		
	Name:	marshy shor	e					
			onsidera	able amount of vegeta		er. It may have a shallow covering ove the surface. (adapted from IHO		
9	DD Name:	HYDRO	Code:	CATCOA_9	Date accepted:	2000-11-01		
	Name:	coral reef						
	Definition: 32, 5th Edi	a reef, often ition, 1063)	of large	extent, composed cl	niefly of coral and it	s derivatives. (IHO Dictionary, S-		
10	DD Name:	HYDRO	Code:	CATCOA_10	Date accepted:	2000-11-01		
	Name:	ice coast						
	Definition: more abov	a vertical cli e sea level.	ff forming	g the seaward edge o	of an ice shelf, rang	ing in height from 2m to 50m or		
11	DD Name:	HYDRO	Code:	CATCOA_11	Date accepted:	2000-11-01		
	Name:	shelly shore						

Definition: a shoreline area made up of shells i.e. made up of the hard outside covering of marine animals.

Attribute	Catego	y of conveyor					
Acronym:	CATCO	N				Code:	17
Use Type:	F						
Value Type	: Е						
Data Dictio	nary (DD) R	ference:					
DD Name:	HYDRO	Date accepted:	2000-11-01				
Definition:							
Enumeratio	<u>ns:</u>						
Value	Data Dictio	ary (DD) Reference					
2	DD Name:	HYDRO Code: CA	TCON_2	Date accepted:	2000-11-01		
	Name:	belt conveyor					
	Definition:	a conveyor along which n	naterial or people	are transported b	y means of a moving	g belt.	

Attribute	Catego	ory of coverage						
Acronym:	CATCO)V					Code:	18
Use Type:	F							
Value Type	e: E							
Data Dictio	nary (DD) R	eference:						
DD Name:	HYDRO	Date	accept	ted: 2000-11-01				
Definition:								
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Refe	erence					
1	DD Name:	HYDRO	Code:	CATCOV_1	Date accepted:	2000-11-01		
	Name:	coverage ava	ilable					
	Definition:	continuous co	overage	e of spatial objects is a	available within this	s area.		
2	DD Name:	HYDRO	Code [.]	CATCOV_2	Date accepted:	2000-11-01		
L	Name:	no coverage a			Date accepted.	2000 11 01		
	Definition:	-		o spatial objects.				
	201111011							

Attribute	Catego	ory of crane							
		,							
Acronym:	CATCF	RN						Code:	19
Use Type:	F								
Value Type:	E								
Data Diction	nary (DD) Ro	eference:							
DD Name:	HYDRO	Dat	e accept	ed: 2000	-11-01				
Definition:									
Enumeration	<u>ns:</u>								
Value	Data Dictio	nary (DD) Ref	erence						
2	DD Name:	HYDRO	Code:	CATCRN	_2	Date accepted:	2000-11-01		
	Name:	container cra	ane/gant	ry					
	Definition: containers. Survey, 7th	(adapted from					eration of speciall nmerce, Coast and		
3	DD Name:	HYDRO	Code:	CATCRN_	_3	Date accepted:	2000-11-01		
	Name:	sheerlegs							
	Definition: out of vess	-	ucture u	sed in dock	yards and	harbours for step	ping masts or liftin	g loads in to a	and
4	DD Name:	HYDRO	Code:	CATCRN_	_4	Date accepted:	2000-11-01		
	Name:	travelling cra	ine						
	Definition: load and ur	a crane mou nload cargo ve		· · ·		· · ·	Illel to the wharf fa	ce) in order to)
5	DD Name:	HYDRO	Code:	CATCRN_	_5	Date accepted:	2000-11-01		
	Name:	A-frame							
	Definition: coastline ar Hydrograph	nd are used fo	•			• •	itioned on river ba them in the water.		

Attribute	Catego	ory of dam		
Acronym:	CATD	AM	Code:	20
Use Type:	F			
Value Type	e: E			
Data Dictio	nary (DD) R	Reference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeratio	ons:			
Value	Data Dictic	onary (DD) Reference		
1	DD Name:	: HYDRO Code: CATDAM_1 Date accepted: 2000-11-01		
	Name:	weir		
	Definition:		et in a river o	or
	along the s	shore as a trap for fish.		
2	DD Name:	: HYDRO Code: CATDAM_2 Date accepted: 2000-11-01		
	Name:	dam		
	Definition:	a barrier to check or confine anything in motion; particularly one constructed to its level to form a reservoir, or to prevent flooding. (IHO Dictionary, S-32, 5th Editionary,		ater
	and faise i		лі, тт э о)	
3	DD Name:	— •		
	Name:	flood barrage		
	Definition: Chart Spec	an opening dam across a channel which, when required, is closed to control floc cifications, M-4 326.7)	od waters. (IHO

Attribute	Catego	ory of distance mark		
Acronym:	CATD	DIS	Code:	21
Use Type:	F			
Value Type	e: E			
Data Dictic	onary (DD) R	Reference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeratio	ons:			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	: HYDRO Code: CATDIS_1 Date accepted: 2000-11-01		
	Name:	distance mark not physically installed		
	Definition: no specific	a point at which a distance from an origin along a feature is given for information c marker exists.	, but at whi	ch
2	DD Name:	: HYDRO Code: CATDIS_2 Date accepted: 2000-11-01		
	Name:	visible mark, pole		
	Definition: marked by		and which	is
3	DD Name:	: HYDRO Code: CATDIS_3 Date accepted: 2000-11-01		
	Name:	visible mark, board		
	Definition: marked by		and which	is
4	DD Name:	: HYDRO Code: CATDIS_4 Date accepted: 2000-11-01		
	Name:	visible mark, unknown shape		
	Definition: physically	a point at which a distance from an origin along a feature is given for information marked, but the shape of the mark is not known or not given.	and which	is

Attribute	Catego	ory of dumping ground		
Acronym:	CATD	PG	Code:	23
Use Type:	F			
Value Type:	L			
Data Diction	ary (DD) R	Reference:		
DD Name:	HYDRO	Date accepted: 2010-09-08		
Definition:				
Enumeratior	<u> 15:</u>			
Value	Data Dictio	onary (DD) Reference		
2	DD Name:	HYDRO Code: CATDPG_2 Date accepted: 2010-09-08		
	Name:	chemical waste dumping ground		
	Definition:	an area at sea where chemical waste is dumped.		
4	DD Name:	HYDRO Code: CATDPG_4 Date accepted: 2010-09-08		
	Name:	explosives dumping ground		
	Definition:	an area at sea where explosives are dumped.		
5	DD Name:	HYDRO Code: CATDPG_5 Date accepted: 2010-09-08		
	Name:	spoil ground		
	Definition: Dictionary,	an area at sea where dredged material is deposited. Also called dumping ground, S-32, 5th Edition, 4930)	d. (IHO	

Attribute	Catego	ory of fence/wall						
Acronym:	CATF	1C					Code:	24
Use Type:	F							
Value Type	: E							
		_						
Data Dictio	nary (DD) R	eference:						
DD Name:	HYDRO	Date a	accept	ed: 2000-11-01				
Definition:								
Enumeratio	ons:							
Value	Data Diatia	noru (DD) Defer						
Value	Data Dictic	nary (DD) Refere	ence					
1	DD Name:	HYDRO C	Code:	CATFNC_1	Date accepted:	2000-11-01		
	Name:	fence						
	Definition:	a man made ba	arrier	used as an enclosure	or boundary or fo	r protection. (Digital C	Geographic	
	Information	Working Group	-DGI\	NG, Oct. 1987)				
4	DD Name:	HYDRO C	Code:	CATFNC_4	Date accepted:	2000-11-01		
	Name:	wall						
			المعقما	(-			
	Definition:	a tence constru	loted	from masonry or stone	Э.			

Attribute	Catego	ory of ferry		
Acronym:	CATF	RY	Code:	25
Use Type:	F			
Value Type	e: E			
Data Dictic	onary (DD) R	Reference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeratio	ons:			
Value	Data Dictic	onary (DD) Reference		
1	DD Name:	HYDRO Code: CATFRY_1 Date accepted: 2000-11-01		
	Name:	'free-moving' ferry		
	Definition:	a ferry which may have routes that vary with weather, tide and traffic. (adapte	d from M-4)	
2	DD Name:	HYDRO Code: CATFRY_2 Date accepted: 2000-11-01		
	Name:	cable ferry		
	Definition:		cations, M-4)	

Attribute	Catego	v of fishing facility								
Acronym:	CATFI				Code:	26				
Use Type:	F									
Value Type	e: L									
Data Dictio	nary (DD) R	erence:								
DD Name:	HYDRO	Date accepted: 2000-11-01								
Definition:	Category	fishing facility								
Enumeratio	ons:									
Endineratio	<u>5113.</u>									
Value	Data Dictio	ry (DD) Reference								
1	DD Name:	HYDRO Code: CATFIF_1	Date accepted:	2000-11-01						
	Name:	ishing stake								
	Definition:	a pole or stake placed in shallow water to	outline a fishing g	round or to catch fish	ì					
2	DD Name:	HYDRO Code: CATFIF_2	Date accepted:	2000-11-01						
	Name:	ish trap								
	Definition:	a structure (usually portable) for catching	fish							
3	DD Name:	HYDRO Code: CATFIF_3	Date accepted:	2000-11-01						
	Name:	ish weir								
	Definition:	a fence of stakes or stones set in a river c	or along the shore t	to trap fish						
4	DD Name:	HYDRO Code: CATFIF_4	Date accepted:	2000-11-01						
	Name:	unny net								
	Definition:	a net built at sea for catching tunny.								
	_ c									

Attribute	Catego	ory of fog signal						
Acronym:	CATFO	DG					Code:	27
Use Type:	F							
Value Type	e: E							
Data Dictio	onary (DD) R	eference:						
DD Name:	HYDRO	Date ac	cepted: 200	0-11-01				
Definition:								
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Referen	се					
1	DD Name:	HYDRO Coo	de: CATFO	G_1	Date accepted:	2000-11-01		
	Name:	explosive						
	Definition:	a signal produce	d by the firing	of explosive	charges. (Admira	lty List of Lights and	I Fog Signa	ıls)
2	DD Name:	HYDRO Coo	de: CATFO	G_2	Date accepted:	2000-11-01		
	Name:	diaphone						
	Definition: concludes Signals)			-	•	erful low-pitched sou '. (Admiralty List of L		
3	DD Name:	HYDRO Cod	de: CATFO	G_3	Date accepted:	2000-11-01		
	Name:	siren						
	Definition: sound and	a siren uses com power. (Admiralty	•			which differ consider	ably in thei	r
4	DD Name:	HYDRO Cod	de: CATFO	G_4	Date accepted:	2000-11-01		
	Name:	nautophone						
	Definition:	a horn having a c	liaphragm os	cillated by el	ectricity (IHO Dicti	onary, S-32, 5th Edi	ition, 3371)	
5	DD Name:	HYDRO Cod	de: CATFO	G_5	Date accepted:	2000-11-01		
	Name:	reed						
	Definition: Fog Signal		pressed air a	nd emits a w	eak, high pitched	sound. (Admiralty Li	st of Lights	and

Value	Data Dictior	nary (DD) Ref	erence									
6	DD Name:	HYDRO	Code:	CATFOG_6	Date accepted:	2000-11-01						
	Name:	tyfon										
		a diaphragm S-32, 5th Edit			e influence of con	npressed air or steam (IHO						
7	DD Name:	HYDRO	Code:	CATFOG_7	Date accepted:	2000-11-01						
	Name:	bell										
	Definition: by wave act	Definition: a ringing sound with a short range. The apparatus may be operated automatically, by hand or by wave action. (IHO Chart Specifications, M-4, 452.5)										
8	DD Name:	HYDRO	Code:	CATFOG_8	Date accepted:	2000-11-01						
	Name:	whistle										
	operated au		y hand o	•••		rifice. The apparatus may be is acting on a buoy. (IHO Chart						
9	DD Name:	HYDRO	Code:	CATFOG_9	Date accepted:	2000-11-01						
	Name:	gong										
	Definition: automatical		-	y vibration of a disc wh e action. (IHO Chart S	•	paratus may be operated , 452.7)						
10	DD Name:	HYDRO	Code:	CATFOG_10	Date accepted:	2000-11-01						
	Name:	horn										
	Definition: which differ		•	ssed air or electricity to and power. (Admiralty	•	agm and exists in a variety of types d Fog Signals)						

Attribute	Catego	ory of fortified	structure	•				
Acronym:	CATFO	DR					Code:	28
Use Type:	F							
Value Type	e: L							
Data Dictio	onary (DD) R	eference:						
DD Name:	HYDRO	Da	te accep	ted: 2000-11-01				
Definition:	Category	of fortified stru	ucture					
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Re	ference					
1	DD Name:	HYDRO	Code:	CATFOR_1	Date accepted:	2000-11-01		
	Name:	castle						
	Definition:	a large fortif	ied build	ing or structure				
2	DD Name:	HYDRO	Code:	CATFOR_2	Date accepted:	2000-11-01		
	Name:	fort						
	Definition:	a fortified er	nclosure,	building, or position a	able to be defende	d against an enemy		
3	DD Name:	HYDRO	Code:	CATFOR_3	Date accepted:	2000-11-01		
	Name:	battery						
	Definition:	a fortified st	ructure c	on which artillery is mo	ounted			
4	DD Name:	HYDRO	Code:	CATFOR_4	Date accepted:	2000-11-01		
	Name:	blockhouse						
	Definition: defensive g		structure	strengthened to give	protection against	enemy fire, with ape	ertures to al	low
5	DD Name:	HYDRO	Code:	CATFOR_5	Date accepted:	2000-11-01		
	Name:	martello tow		_				
	Definition:	a round fort		tal defence				
6	DD Name:	HYDRO	Code	CATFOR_6	Date accepted:	2000-11-01		
0	Name:	redoubt	Coue.			2000 11-01		
	. tarrio.							

Value Data Dictionary (DD) Reference

Definition: an outwork or fieldwork usually square or polygonal and without flanking defences.

Attribute	Catego	bry of gate		
Acronym:	CATG	AT	Code:	29
Use Type:	F			
Value Type:	E			
Data Diction	<u>ary (DD) R</u>	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeration	ns:			
Value	Data Dictio	nary (DD) Reference		
2	DD Name:	HYDRO Code: CATGAT_2 Date accepted: 2000-11-01		
	Name:	flood barrage gate		
	Definition:	an opening gate used to control flood water.		
4	DD Name:	HYDRO Code: CATGAT_4 Date accepted: 2000-11-01		
	Name:	lock gate		
	Definition: S-32, 5th E	lock gates are the massive hinged doors at each end of a lock. (adapted from Edition, 2882)	IHO Dictiona	ry,

Attribute	Catego	bry of harbour facility		
Acronym:	CATHA	٨F	Code:	30
Use Type:	F			
Value Type:	L			
Data Dictior	ary (DD) R	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeration	<u> 15:</u>			
Value	Data Dictio	nary (DD) Reference		
5	DD Name:	HYDRO Code: CATHAF_5 Date accepted: 2000-11-01		
	Name:	yacht harbour/marina		
	Definition:	a harbour with facilities for small boats and yachts (IHO Dictionary, S-32, 5th Ed	ition, 3095)	

Attribute	Catego	ry of hulk		
Acronym:	CATHL	K	Code:	31
Use Type:	F			
Value Type	e: L			
Data Dictio	onary (DD) Re	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
<u>Enumeratio</u>	ons:			
Value	Data Diction	nary (DD) Reference		
1	DD Name:	HYDRO Code: CATHLK_1 Date accepted: 2000-11-01		
	Name:	floating restaurant		
	Definition:	a permanently moored floating structure, such as an old ship, used as a restaut	ant.	
2	DD Name:	HYDRO Code: CATHLK_2 Date accepted: 2000-11-01		
	Name:	historic ship		
	Definition:	a ship of historical interest permanently moored as a tourist attraction.		
3	DD Name:	HYDRO Code: CATHLK_3 Date accepted: 2000-11-01		
	Name:	museum		
	Definition:	a permanently moored floating structure, such as an old ship, used as a museu	m.	
4	DD Name:	HYDRO Code: CATHLK_4 Date accepted: 2000-11-01		
	Name:	accommodation		
	Definition:	a permanently moored floating structure, such as an old ship, used for accomm	odation.	
5	DD Name:	HYDRO Code: CATHLK_5 Date accepted: 2000-11-01		
	Name:	floating breakwater		
	Definition: breakwater	a permanently moored floating structure, often constructed from old ships, used	l as a	

	1			
Attribute	Catego	ory of land region		
Acronym:	CATL	ND	Code:	34
Use Type:	F			
Value Type	e: L			
Data Dictio	onary (DD) R	Reference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:	Category	of land region		
Enumeratio	ons:			
Value	Data Dictic	onary (DD) Reference		
2	DD Name:	: HYDRO Code: CATLND_2 Date accepted: 2000-11-01		
	Name:	marsh		
	Definition: not conside the lack of	ered to be continually under water. It is characterized by the growth of non woody		
9	DD Name:	: HYDRO Code: CATLND_9 Date accepted: 2000-11-01		
	Name:	agricultural land		
	Definition:	areas used for cultivation of the soil, the breeding of livestock etc. and general f	arming.	
11	DD Name:	: HYDRO Code: CATLND_11 Date accepted: 2000-11-01		
	Name:	parkland		
	Definition: public prop	a piece of ground kept for ornament and/or recreation or maintained in its natur perty or area.	al state as a	
12	DD Name:	: HYDRO Code: CATLND_12 Date accepted: 2000-11-01		
	Name:	swamp		
	Definition: with a cons	an area of spongy land saturated with water. It may have a shallow covering of siderable amount of vegetation appearing above the surface.	water, usual	ly

	1							
Attribute	Catego	ory of landmark						
Acronym:	CATL	ИK					Code:	35
Use Type:	F							
Value Type	e: L							
Data Dictio	onary (DD) R	eference:						
DD Name:	HYDRO	Date a	accepte	ed: 2000-11-01				
Definition:								
Enumerati	ons:							
Value	Data Dictic	onary (DD) Refere	ence					
1	DD Name:	HYDRO C	ode:	CATLMK_1	Date accepted:	2000-11-01		
	Name:	cairn						
	Definition: importance			sually conical or pyra tionary, S-32, 5th Ec		landmark or to desig	nate a poir	nt of
2	DD Name:	HYDRO C	ode:	CATLMK_2	Date accepted:	2000-11-01		
	Name:	cemetery						
	Definition:	an area of land	l for bu	urying the dead.				
3	DD Name:	HYDRO C	ode:	CATLMK_3	Date accepted:	2000-11-01		
	Name:	chimney						
	Definition: Geographi	a vertical struct c Information Sta			or flue for discharg	ing smoke and gases	. (Digital	
4	DD Name:	HYDRO C	ode:	CATLMK_4	Date accepted:	2000-11-01		
	Name:	dish aerial						
	Definition:	•			mission of high fre	quency radio signals.	. (IHO	
	Dictionary,	S-32, 5th Editior	1, 1400)				
5	DD Name:			CATLMK_5	Date accepted:	2000-11-01		
	Name:	flagstaff (flagpo						_
	Definition: 1.28)	a staff or pole of	on whi	ch flags are raised. (Digital Geographic	Information Standard	d - DIGEST	Г

Value	Data Dictior	nary (DD) Ret	ference			
6	DD Name:	HYDRO	Code:	CATLMK_6	Date accepted:	2000-11-01
	Name:	flare stack				
				for burning-off waste o cated at refineries (IH	•	ctionary, S-32, 5th Edition, 1836). ions, M-4).
7	DD Name:	HYDRO	Code:	CATLMK_7	Date accepted:	2000-11-01
	Name:	mast				
	Definition: Information	a straight ve Standard - D		ece of timber or a hollo	ow cylinder. (adapt	ted from Digital Geographic
8	DD Name:	HYDRO	Code:	CATLMK_8	Date accepted:	2000-11-01
	Name:	wind sock				
	Definition: wind direction				•	ith the wind, thus indicating the neric Administration - NOAA, 1969)
9	DD Name:	HYDRO	Code:	CATLMK_9	Date accepted:	2000-11-01
	Name:	monument				
	Definition: Information	a structure e Standard - D		or maintained as a me	morial to a person	or event. (Digital Geographic
10	DD Name:	HYDRO	Code:	CATLMK_10	Date accepted:	2000-11-01
	Name:	column (pilla	ır)			
	Definition: vertically. (0	a cylindrical Oxford Englis	•		nsiderably greater	length than diameter erected
11	DD Name:	HYDRO	Code:	CATLMK_11	Date accepted:	2000-11-01
	Name:	memorial pla	aque			
	Definition:	a slab of me	tal, usua	ally ornamented, erect	ed as a memorial	to a person or event.
12	DD Name:	HYDRO	Code:	CATLMK_12	Date accepted:	2000-11-01
	Name:	obelisk				
	Definition: apex. (Adap	1 0		ally of stone or concre ish Dictionary)	te, square or recta	angular in section, with a pyramidal
13	DD Name:	HYDRO	Code:	CATLMK_13	Date accepted:	2000-11-01
	Name:	statue		_		
	Definition:	a representa	ation of a	a human, animal or far	ntasy figure in mar	ble, bronze, etc.
14	DD Name:	HYDRO	Code:	CATLMK_14	Date accepted:	2000-11-01

Value	Data Dictic	onary (DD) Refe	erence			
	Name:	cross				
	Definition:	a monument,	or othe	er structure in form of a	a cross. (Funk and	Wagnalls Dictionary)
15	DD Name:	HYDRO	Code:	CATLMK_15	Date accepted:	2000-11-01
	Name:	dome				
	Definition: Macquarie	a landmark co Dictionary).	omprisir	ng a hemispherical or	spheroidal shaped	d structure (adapted from the
16	DD Name:	HYDRO	Code:	CATLMK_16	Date accepted:	2000-11-01
	Name:	radar scanner				
	Definition: Dictionary,			ecting a radar beam tl and Atmospheric Adm	•	attern (adapted from Navigation , 1969)
17	DD Name:	HYDRO	Code:	CATLMK_17	Date accepted:	2000-11-01
	Name:	tower				
		•		ure which may be use on Working Group -D		support, storage or communication
18	DD Name:	HYDRO	Code:	CATLMK_18	Date accepted:	2000-11-01
	Name:	windmill				
	Definition: power plan		•	n of vanes attached to c Information Standar		ure (excluding wind-generated
19	DD Name:	HYDRO	Code:	CATLMK_19	Date accepted:	2000-11-01
	Name:	windmotor				
	Definition:	a modern stru	ucture fo	or the use of windpow	er. (IHO Chart Spe	ecifications, M-4)
20	DD Name:	HYDRO	Code:	CATLMK_20	Date accepted:	2000-11-01
	Name:	spire/minaret				
	Definition: especially			•		oof or tower of a building, inglish Dictionary, 1993)
21	DD Name:	HYDRO	Code:	CATLMK_21	Date accepted:	2000-11-01
	Name:	large rock or b	ooulder	on land		
	Definition:	an isolated ro	cky forr	mation or a single larg	e stone (IHO Dicti	onary, S-32, 5th Edition).

Attribute	Catego	ory of lateral mark		
Acronym:	CATLA	AM	Code:	36
Use Type:	F			
Value Type	e: E			
Data Dictio	nary (DD) R	Reference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeratio	ons:			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	HYDROCode:CATLAM_1Date accepted:2000-11-01		
	Name:	port-hand lateral mark		
	Definition:		hen proceeding	in
	the conver	ntional direction of buoyage'.		
2	DD Name:	HYDROCode:CATLAM_2Date accepted:2000-11-01		
	Name:	starboard-hand lateral mark		
	Definition:	indicates the starboard boundary of a navigational channel or suggested ro g in the 'conventional direction of buoyage'.	oute when	
3	DD Name:			
	Name:	preferred channel to starboard lateral mark		
	Definition: the preferre	at a point where a channel divides, when proceeding in the 'conventional c ed channel (or primary route) is indicated by a modified port-hand lateral ma		ıge',
4	·			
4	DD Name:	—		
	Name:	preferred channel to port lateral mark		
	Definition:	at a point where a channel divides, when proceeding in the 'conventional c ed channel (or primary route) is indicated by a modified starboard-hand later		ige',

						
Attribute	Catego	ory of lights				
Acronym:	CATLI	т				Code: 3
Use Type:	F					
Value Type	e: L					
Data Dictio	onary (DD) R	eference:				
DD Name:	HYDRO	Dat	e accep	ted: 2000-11-0	1	
Definition:						
Enumeratio	ons:					
	<u></u>					
Value	Data Dictio	onary (DD) Ref	ference			
1	DD Name:	HYDRO	Code:	CATLIT_1	Date accepted:	2000-11-01
	Name:	directional fu	Inction			
	Definition: Dictionary,	a light illumi S-32, 5th Edit	-	•	arrow angle and intende	ed to mark a direction to follow. (IHC
4	DD Name:	HYDRO	Code:	CATLIT_4	Date accepted:	2000-11-01
	Name:	leading light				
	Definition: IHO Dictior	a light assoc nary, S-32, 5th		•	as to form a leading lin	e to be followed. (adapted from
5	DD Name:	HYDRO	Code:	CATLIT_5	Date accepted:	2000-11-01
	Name:	aero light				
	Definition: lights and v	an aero light visible from we			autical navigation and n	nay be of higher power than marine
6	DD Name:	HYDRO	Code:	CATLIT_6	Date accepted:	2000-11-01
	Name:	air obstructio	on light			
	Definition:	a light marki	ng an ol	ostacle which co	nstitutes a danger to air	navigation
12	DD Name:	HYDRO	Code:	CATLIT_12	Date accepted:	2000-11-01
	Name:	front				
	Definition: seaward.	terms used	with lead	ling lights to des	cribe the position of the	light on the lead as viewed from

Value	Data Dictio	nary (DD) Rei	ference			
13	DD Name:	HYDRO	Code:	CATLIT_13	Date accepted:	2000-11-01
	Name:	rear				
	Definition: seaward.	terms used	with leac	ling lights to describe t	the position of the	light on the lead as viewed from
14	DD Name:	HYDRO	Code:	CATLIT_14	Date accepted:	2000-11-01
	Name:	lower				
	Definition: seaward.	terms used	with leac	ling lights to describe t	the position of the	light on the lead as viewed from
15	DD Name:	HYDRO	Code:	CATLIT_15	Date accepted:	2000-11-01
	Name:	upper				
	Definition: seaward.	terms used	with leac	ling lights to describe t	the position of the	light on the lead as viewed from

Attribute	Catego	ory of marine farm/culture		
Acronym:	CATMI	FA	Code:	38
Use Type:	F		0000.	00
Value Type				
value i ype	у. <u>с</u>			
Data Distis				
	nary (DD) R			
DD Name:	HYDRO	Date accepted: 2010-08-12		
Definition:				
Enumeratio	ons:			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	HYDRO Code: CATMFA_1 Date accepted: 2010-08-12		
	Name:	crustaceans		
	Definition:	hard shelled animals, for example crabs or lobsters		
2	DD Name:	HYDRO Code: CATMFA_2 Date accepted: 2010-08-12		
	Name:	oysters/mussels		
	Definition:			
3	DD Name:	- '		
	Name:	fish		
	Definition:	vertebrate cold blooded animal with gills, living in water.		
4	DD Name:	HYDRO Code: CATMFA_4 Date accepted: 2010-08-12		
	Name:	seaweed		
	Definition: (Internatior	the general name for marine plants of the Algae class which grow in long narrow nal Maritime Dictionary, 2nd Ed.)	v ribbons.	

Attribute	Catego	y of military practice	e area				_
Acronym:	CATM	A				Code:	39
Use Type:	F						
Value Type	e: L						
Data Dictio	nary (DD) R	ference:					
DD Name:	HYDRO	Date acce	pted: 2000-11-01				
Definition:	Category	f military practice ar	rea				
Enumeratio	ons:						
Value	Dete Dist		_				
Value	Data Dictio	ary (DD) Reference	9				
2	DD Name:	HYDRO Code	: CATMPA_2	Date accepted:	2000-11-01		
	Name:	torpedo exercise ar					
	Definition:	an area within whic	ch exercises are carrie	d out with torpedos			
3	DD Name:	HYDRO Code	: CATMPA_3	Date accepted:	2000-11-01		
	Name:	submarine exercise	earea				
	Definition:	an area within whic	ch submarine exercises	s are carried out.			
4	DD Name:	HYDRO Code	: CATMPA_4	Date accepted:	2000-11-01		
	Name:	firing danger area					
	Definition:	areas for bombing	and missile exercises.				
5	DD Name:	HYDRO Code	: CATMPA_5	Date accepted:	2000-11-01		
	Name:	mine-laying practice	e area				
	Definition:	an area within whic	ch mine laying exercise	es are carried out.			
6	DD Name:	HYDRO Code	: CATMPA_6	Date accepted:	2000-11-01		
	Name:	small arms firing ra	nge				
	Definition:	an area for shootin	g pistols, rifles and ma	chine guns etc. at	a target.		

Attribute	Catego	ory of mooring	/warping	facility						
Acronym:	CATM	OR				Code: 40				
Use Type:	F									
Value Type	e: E									
Data Dictio	onary (DD) R	eference:								
DD Name:	HYDRO	Dat	te accep	ted: 2000-11-01						
Definition:										
Enumeratio	ons:									
Value	Data Dictio	onary (DD) Re	ference							
1	DD Name:	HYDRO	Code:	CATMOR_1	Date accepted:	2000-11-01				
	Name:	dolphin								
	Definition: Dictionary,	a post or gro S-32, 5th Edi		•	pport a deck, used fo	r mooring or warping a vessel. (IHO				
3	DD Name:	HYDRO	Code:	CATMOR_3	Date accepted:	2000-11-01				
	Name:	bollard								
	Definition:	Definition: small shaped post, mounted on a wharf or dolphin used to secure ship=s lines.								
5	DD Name:	HYDRO	Code:	CATMOR_5	Date accepted:	2000-11-01				
	Name:	post or pile								
	Definition: a mooring									
7	DD Name:	HYDRO	Code:	CATMOR_7	Date accepted:	2000-11-01				
	Name:	mooring buc	у							
	Definition: of its ancho				anent moorings with r /, S-32, 5th Edition, 5	neans for mooring a vessel by use 75)				
4	DD Name:	HYDRO	Code:	CATMOR_4	Date accepted:	2000-11-01				
	Name:	tie-up wall								
	Definition: mooring de	-		tion of wall designaries to the second structure to the second structure str		els awaiting transit. Bollards and				

Value	Data Dictionary (DD) Reference								
2	DD Name:	HYDRO	Code:	CATMOR_2	Date accepted:	2000-11-01			
	Name:	deviation dol	phin						
	Definition:	a post or gro	oup of po	sts, which a vessel ma	ay swing around fo	or compass adjustment.			

Attribute	Catego	ory of navigation line		
Acronym:	CATN		Code:	41
Use Type:			0000.	ŦI
Value Type				
value i yp	с. L			
Data Dictio	onary (DD) R	Reference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumerati	ons:			
	<u></u>			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	: HYDRO Code: CATNAV_1 Date accepted: 2000-11-01		
	Name:	clearing line		
	Definition:		or that passe	S
		navigational danger. (adapted from IHO Dictionary, S-32, 5th Edition, 826)	·	
2	DD Name:	: HYDRO Code: CATNAV_2 Date accepted: 2000-11-01		
	Name:	transit line		
	Definition:	a line passing through one or more fixed marks.		
3	DD Name:			
	Name:	leading line bearing a recommended track		
	Definition: approach s	a line passing through one or more clearly defined objects, along the path of wl safely up to a certain distance off. (Adapted from IHO Dictionary, S-32, 5th Edition		l can

Attribute	Catego	ory of obstruction	n						
	Calego		511						
Acronym:	CATO	BS						Code:	42
Use Type:	F								
Value Type:	Е								
Data Dictional	ry (DD) R	eference:							
DD Name: H	IYDRO	Date	e accept	ted: 2000-11	1-01				
Definition:									
Enumerations	<u>.</u>								
Value D	ata Dictio	nary (DD) Refe	erence						
1 D	D Name:	HYDRO	Code:	CATOBS_1		Date accepted:	2000-11-01		
Ν	ame:	snag/stump							
	efinition: h the surfa						iver or lake bottom a 32, 5th Edition, 4794		ble
		HYDRO		CATOBS_2	,	Date accepted:	2000-11-01		
	ame:	wellhead	Code.	0A1000_2		Date accepted.	2000-11-01		
	efinition:		structur	e projecting s	ome dista	ance above the s	eabed and capping	a temporari	ily
al	bandoned					y, S-32, 5th Editi			
3 D	D Name:	HYDRO	Code:	CATOBS_3		Date accepted:	2000-11-01		
Ν	ame:	diffuser							
	efinition: bove the l	a structure of evel of the out		-	•	-	d. The structure wil	l usually pro	ject
4 D	D Name:	HYDRO	Code:	CATOBS_4		Date accepted:	2000-11-01		
Ν	ame:	crib							
bo		hey are used t	o ancho	or log booms o	or suppor		beams and filled w ons, e.g. submerge r.		
5 D	D Name:	HYDRO	Code:	CATOBS_5		Date accepted:	2000-11-01		
Ν	ame:	fish haven							
Л	efinition:	areas establi	shed by	private intere	ests, usua	Ily sport fisherme	en, to simulate natu	ral reefs and	ł

Value Data Dictionary (DD) Reference wrecks that attract fish. The reefs are constructed by dumping assorted junk in areas which may be of very small extent or may stretch a considerable distance along a depth contour. Also called fishery reefs. DD Name: HYDRO 6 Code: CATOBS 6 Date accepted: 2000-11-01 Name: foul area Definition: an area of numerous unidentified dangers to navigation. The area serves as a warning to the mariner that all dangers are not identified individually and that navigation through the area may be hazardous. Commonly used to encode areas behind danger lines on navigation charts. (adapted from IHO Dictionary, S-32, 5th Edition, 1915) 7 DD Name: HYDRO Code: CATOBS_7 Date accepted: 2000-11-01 Name: foul ground Definition: areas over which it is safe to navigate but which should be avoided for anchoring, taking the ground or ground fishing. (IHO Chart Specifications, M-4, 442.8) 8 DD Name: HYDRO Code: CATOBS 8 Date accepted: 2000-11-01 Name: ice boom Definition: floating barriers, anchored to the bottom, used to deflect the path of floating ice in order to prevent the obstruction of locks, intakes, etc., and to prevent damage to bridge piers and other structures. (Canadian Hydrographic Service, Chart specifications). 9 DD Name: HYDRO Code: CATOBS_9 Date accepted: 2000-11-01 Name: around tackle Definition: equipment such as anchors, concrete blocks, chains and cables, etc., used to position floating structures such as trot and mooring buoys etc. 10 DD Name: HYDRO Code: CATOBS_10 Date accepted: 2000-11-01 Name: boom Definition: a floating barrier used to protect a river or harbour mouth or to create a sheltered area for storage purposes. (IHO Dictionary, S-32, 5th Edition, 505). DD Name: HYDRO 11 Code: CATOBS_11 Date accepted: 2011-02-23 Name: fishing net Definition: a piece of open-meshed material made of twine, cord, or something similar, used for catching fish

r	1								
Attribute	Catego	ory of offshore	platform	l					
Acronym:	CATOF	-P				Code:	43		
Use Type:	F								
Value Type:	L								
Data Dictionary	<u>y (DD) R</u>	eference:							
DD Name: H	YDRO	Date	e accept	ed: 2000-11-01					
Definition: C	ategory o	of offshore pla	tform						
Enumerations:									
Value Da	ita Dictio	nary (DD) Ref	erence						
1 DE) Name:	HYDRO	Code:	CATOFP_1	Date accepted:	2000-11-01			
Na	ime:	oil derrick/rig							
	Definition: a temporary mobile structure, either fixed or floating, used in the exploration stages of oil and gas fields. (IHO Dictionary, S-32, 5th Edition)								
2 DE) Name:	HYDRO	Code:	CATOFP_2	Date accepted:	2000-11-01			
Na	ime:	production pl	atform						
	finition: loes not			•	shore structure equip O Dictionary, S-32, 5	oped to control the flow of oil or ga 5th Edition, 4037)	as.		
3 DE) Name:	HYDRO	Code:	CATOFP_3	Date accepted:	2000-11-01			
Na	ime:	observation/r	esearch	platform					
	finition: for scien	•			ngs or events can be S-32, 5th Edition, 34	e observed, noted or recorded suc 493/3500)	ch		
4 DE) Name:	HYDRO	Code:	CATOFP_4	Date accepted:	2000-11-01			
Na	ime:	articulated lo	ading pl	atform (ALP)					
col	commod	led base on th	e sea be	ed. The platform ma	y be fitted with a hel	e other by a universal joint to a licopter platform, emergency m Hydrographic Office CSDO			
5 DE) Name:	HYDRO	Code:	CATOFP_5	Date accepted:	2000-11-01			
Na	ime:	single ancho	r leg mo	oring					

Value Data Dictionary (DD) Reference

Definition: a rigid frame or tube with a buoyancy device at its upper end, secured at its lower end to a universal joint on a large steel or concrete base resting on the sea bed, and at its upper end to a mooring buoy by a chain or wire. (adapted from United Kingdom Hydrographic Office CSDO 607.2 (12), May 1994)

6 DD Name: HYDRO Code: CATOFP_6 Date accepted: 2000-11-01 Name: mooring tower Definition: a platform secured to the sea bed and surmounted by a turntable to which ships moor. (adapted from United Kingdom Hydrographic Office CSDO 607.2 (12), May 1994) 7 DD Name: HYDRO Code: CATOFP_7 Date accepted: 2000-11-01 Name: artificial island Definition: a man-made structure usually built for the exploration or exploitation of marine resources, marine scientific research, tidal observations, etc. (adapted from IHO Dictionary, S-32, 5th Edition, 240) 9 DD Name: HYDRO Code: CATOFP_9 Date accepted: 2000-11-01 Name: accommodation platform

Definition: a platform used primarily for eating, sleeping and recreation purposes.

Attribute	Catego	ory of oil barrie	r					
Acronym:	CATO	LB					Code:	44
Use Type:	F							
Value Type	»: Е							
Data Dictio	nary (DD) R	eference:						
DD Name:			e accept	ed: 2000-11-01				
Definition:								
Enumeratio	ons:							
Value	Data Dictic	nary (DD) Refe	erence					
1	DD Name:	HYDRO	Code:	CATOLB_1	Date accepted:	2000-11-01		
	Name:	oil retention (high pre	essure pipe)				
	Definition:				. When the air bubbles		hey form a	
	barrier whi	ch prevents the	e spread	I of OII. (Kort- og N	/latrikelstyrelsen, Deni	mark)		
2	DD Name:	HYDRO	Code:	CATOLB_2	Date accepted:	2000-11-01		
	Name:	floating oil ba	rrier					
	Definition: which prev	-	•		a curtain (2 metre) har styrelsen, Denmark)	nging under it, below	the surface	9,

Attribute	Catego	bry of pilot boarding place		
Acronym:	CATPI	L	Code:	46
Use Type:	F			
Value Type	: L			
Data Dictior	harv (DD) R	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:		of pilot boarding place.		
<u>Enumeratio</u>	<u>ns:</u>			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	HYDRO Code: CATPIL_1 Date accepted: 2000-11-01		
	Name:	boarding by pilot-cruising vessel		
	Definition:	pilot boards from a cruising vessel.		
2	DD Name:	HYDRO Code: CATPIL_2 Date accepted: 2000-11-01		
-	Name:	boarding by helicopter		
	Definition:	pilot boards by helicopter which comes out from the shore.		
3	DD Name:	—		
	Name:	pilot comes out from shore		
	Definition:	pilot boards from a vessel which comes out from the shore on request.		

Attribute	Catego	ory of pipeline/	pipe								
Acronym:	CATPI	Р					Code:	47			
Use Type:	F										
Value Type	e: L										
Data Dictio	onary (DD) R	eference:									
DD Name:	HYDRO	Date	e accep	ted: 2000-11-01							
Definition:											
Enumorati	0001										
<u>Enumerati</u>	0115.										
Value	Data Dictio	nary (DD) Ref	ry (DD) Reference								
2	DD Name:	HYDRO	Code:	CATPIP_2	Date accepted:	2000-11-01					
	Name:	outfall pipe									
	Definition:	a pipe (gene	rally a s	ewer or drainage pipe) discharging in to	the sea or a river.					
3	DD Name:	HYDRO	Code:	CATPIP_3	Date accepted:	2000-11-01					
	Name:	intake pipe									
	Definition:			rom a river or other bo	•	ve a mill or supply a	canal,				
	waterworks	s, etc. (IHO Die	ctionary,	S-32, 5th Edition, 246	68)						
4	DD Name:	HYDRO	Code:	CATPIP_4	Date accepted:	2000-11-01					
	Name:	sewer									
	Definition:	a pipe in a s	ewage s	system for carrying wa	ter or sewage to a	disposal area.					
6	DD Name:	HYDRO	Code:	CATPIP_6	Date accepted:	2000-11-01					
	Name:	supply pipe									
	Definition:		for supp	lying of gas or liquid p	product.						

Attribute	Catego	ory of producti	on area					
Acronym:	CATPF	۶A					Code:	48
Use Type:								
Value Type								
Data Dictic	onary (DD) R	eference:						
DD Name:			te accep	ted: 2000-11-01				
Definition:								
Enumeratio	ons:							
Value	Data Dictio	onary (DD) Re	ference					
1	DD Name:	HYDRO	Code:	CATPRA_1	Date accepted:	2000-11-01		
	Name:	quarry						
	Definition:	an excavatio	on in soli	id rock from which bu	ilding stone, limest	one, etc. is removed.		
2	DD Name:	HYDRO	Code:	CATPRA_2	Date accepted:	2000-11-01		
	Name:	mine						
	Definition:	an excavatio	on in the	earth for the purpose	of extracting earth	n materials.		
3	DD Name:	HYDRO	Code:	CATPRA_3	Date accepted:	2000-11-01		
	Name:	stockpile						
	Definition:	a reserve st	ock of m	aterial, equipment or	other supplies.			
4	DD Name:	HYDRO	Code:	CATPRA_4	Date accepted:	2000-11-01		
	Name:	power statio	n area					
	Definition: (hydraulic,	•	•	ntaining apparatus fo ear, etc.) into electric	-	ersion of some form o	of energy	
5	DD Name:	HYDRO	Code:	CATPRA_5	Date accepted:	2000-11-01		
	Name:	refinery area	a					
	Definition: petroleum-	a system of derived produ	-	units used to convert	crude petroleum i	nto fuels, lubricants a	and other	
6	DD Name:	HYDRO	Code:	CATPRA_6	Date accepted:	2000-11-01		

Value	Data Dictio	ary (DD) Reference							
	Name:	timber yard							
	Definition:	a storage area for wood used for building, carpentry or joinery.							
7	DD Name:	HYDRO Code: CATPRA_7 Date accepted: 2000-11-01							
	Name:	factory area							
	Definition:	a group of buildings where goods are manufactured.							
8	DD Name:	HYDRO Code: CATPRA_8 Date accepted: 2000-11-01							
	Name:	tank farm							
	Definition: oil or petrol	an area in which a number of large-capacity storage tanks are located, generally used for crude eum products.							
9	DD Name:	HYDRO Code: CATPRA_9 Date accepted: 2000-11-01							
	Name:	wind farm							
	Definition:	an area in which numerous wind motors are located.							
10	DD Name:	HYDRO Code: CATPRA_10 Date accepted: 2000-11-01							
	Name:	slag heap/spoil heap							
	Definition: Dictionary)	hill of refuse from a mine, industrial plant etc. on land (adapted from Concise Oxford							

Attribute	Cotore	ny of pylop							
Attribute	Catego	ry of pylon							
Acronym:	CATPY	Ĺ						Code:	49
Use Type:	F								
Value Type	: Е								
Data Diction	nary (DD) R	eference:							
DD Name:	HYDRO	Date ac	cepteo	d: 2000-1	1-01				
Definition:									
Enumeratio	ons:								
Value	Data Dist.		~ ~						
Value	Data Dictio	nary (DD) Referen	ce						
1	DD Name:	HYDRO Coo	de: C	CATPYL_1		Date accepted:	2000-11-01		
	Name:	power transmissi		•					
	Definition: to support a DIGEST F/	a power transmissi		-			nework or of pre-sti graphic Information		rete,
2	DD Name:	HYDRO Cod	de: C	CATPYL_2		Date accepted:	2000-11-01		
	Name:	telephone/telegra	ph py	lon/pole					
	Definition: Standard -	a pylon or pole u DIGEST FACC 1.2		support a	telephone	e or telegraph line	. (Digital Geograph	ic Informatio	on
3	DD Name:	HYDRO Cod	de: C	CATPYL_3		Date accepted:	2000-11-01		
	Name:	aerial cableway/s	ky pyl	lon					
	Definition: carrier units	a tower or pylon s. (adapted from D		-		•	buckets, or other si GEST FACC 1.2)	uspended	
4	DD Name:	HYDRO Cod	de: C	CATPYL_4		Date accepted:	2000-11-01		
	Name:	bridge pylon/towe	er						
	Definition: Geographic	a tower, abutmer Information Stand		•		idge deck is susp	ended. (adapted fro	om Digital	
5	DD Name:	HYDRO Cod	de: C	CATPYL_5		Date accepted:	2000-11-01		
	Name:	bridge pier							
	Definition:	a support in the f	orm o	f a pillar or	pier for th	e spans of a brid	ge. (adapted from [Digital	

Value Data Dictionary (DD) Reference

Geographic Information Standard - DIGEST FACC 1.2)

51
ł)
4

Definition: Enumerations:	YDRO	e <u>ference:</u> Date	e accept	ted: 2000-11-	-01			Code:	52
Use Type: Value Type: Data Dictionary DD Name: H Definition: <u>Enumerations:</u>	F E <u>/ (DD) Re</u> YDRO	e <u>ference:</u> Date	e accept	ted: 2000-11-	-01				
Data Dictionary DD Name: H Definition: Enumerations:	<u>/ (DD) Re</u> YDRO	Date	e accept	ted: 2000-11-	-01				
DD Name: H ^N Definition: <u>Enumerations:</u>	YDRO	Date	e accept	ted: 2000-11-	-01				
DD Name: H ^N Definition: <u>Enumerations:</u>	YDRO	Date	e accept	ted: 2000-11-	-01				
Definition: Enumerations:			e accept	ted: 2000-11-	-01				
Enumerations:	ta Diction								
	ta Diction								
	ta Diction								
	ta Diction								
Value Dat	ta Diction								
		nary (DD) Ref	erence						
1 DD) Name:	HYDRO	Code:	CATRTB_1		Date accepted:	2000-11-01		
Na	me:	ramark, rada	r beacoi	n transmitting c	continuo	usly			
rad		n, the line ind	icating tl	he direction of t	the beac	transmits a signa con. Ramarks are cer. (IHO Dictiona	intended prima	arily for marine	
2 DD) Name:	HYDRO	Code:	CATRTB_2		Date accepted:	2000-11-01		
Na	me:	racon, radar	transpoi	nder beacon					
wel rec	ceived on	e and bearing	g. The ra	ange and bearii	ing are ir	al which provides ndicated by the lo ed from the words	cation of the fire	st character	
3 DD) Name:	HYDRO	Code:	CATRTB_3		Date accepted:	2000-11-01		
Na	me:	leading racor	n/radar t	ransponder bea	acon				
	finition: licate a le	a radar beac ading line.	on that	may be used (ii	in conjun	action with at leas	t one other rad	ar beacon) to	

Attribute	Catego	ory of recomm	ended tra	ack							
Acronym:	CATT	₹K					Code:	54			
Use Type:	F										
Value Type	: Е										
Data Dictio	nary (DD) R	eference:									
DD Name:	HYDRO	Dat	e accept	ed: 2000-11-0	01						
Definition:											
Enumeratio	ons:										
Value	Data Dictic	a Dictionary (DD) Reference									
1	DD Name:	HYDRO	Code:	CATTRK_1	Date accepted:	2000-11-01					
	Name:	based on a s	system of	fixed marks							
	top-marks. known bea										
2	DD Name:	HYDRO	Code:	CATTRK_2	Date accepted:	2000-11-01					
	Name:	not based or	n a syster	m of fixed mark	S						
	Definition: structures	a route (kno or features in l		ecommended t	rack or preferred route	which is not based or	n a series c	of			

Attribute Category of restricted area Acronym: CATREA Code: 56 Use Type: F Value Type: L Data Dictionary (DD) Reference: Date accepted: 2000-11-01 Definition: Date accepted: 2000-11-01 Definition: Enumerations: Value Data Dictionary (DD) Reference 4 DD Name: HYDRO Code: CATREA_4 Date accepted: 2000-11-01 Name: nature reserve Definition: a tract of land managed so as to preserve it's flora, fauna, physical features, etc. 5 DD Name: HYDRO Code: CATREA_5 Date accepted: 2000-11-01 Name: nature reserve Definition: a tract of land managed so as to preserve it's flora, fauna, physical features, etc. 5 DD Name: HYDRO Code: CATREA_5 Date accepted: 2000-11-01 Name: military area Definition: a place where birds are bred and protected. 9 DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 Name: military area Definition: a reae controlled by the military in which restrictions may apply. (Hydrographic Service, Royal Australian Navy) 12 DD Name: HYDRO									
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Value Type: L Data Dictionary (DD) Reference: Date accepted:: 2000-11-01 Definition: Date accepted:: 2000-11-01 Definition: Date accepted:: 2000-11-01 Current Control Date accepted:: 2000-11-01 Value Data Dictionary (DD) Reference 2000-11-01 A DD Name: HYDRO Code:: CATREA_4 Date accepted:: 2000-11-01 Name: nature reserve Definition:: a tract of land managed so as to preserve it's flora, fauna, physical features, etc. 5 DD Name: HYDRO Code:: CATREA_5 Date accepted:: 2000-11-01 Name: bird sanctuary Definition: a narea controlled py the military in which restrictions may apply. (Hydrographic Service, Royal 9 DD Name: HYDRO Code: CATREA_12 Date accepted:: 2000-11-01 Name: military area Distortarian Navy Date accepted:: 2000-11-01 Accepted:: 2000-11-01 Name: narea around a navigational aid which vessels are prohibited from entering. Rate: Accepted:: 2000-11-01 Rate: Accepted:: 200-11-01 Rate: A	Acronym:	CATRE	Ą		Code: 56				
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DName: HYDRO Date accepted: 2000-11-01 Definition: Second	Value Type	e: L							
DName: HYDRO Date accepted: 2000-11-01 Definition: Second									
Definition: Second	Data Dictio	onary (DD) R	ference:						
Summersion State Distry (DD) Reference 4 DD Name: HYDRO Code: CATREA_4 Date accepted: 2000-11-01 Name: nature reserve - Date accepted: 2000-11-01 Name: a tract of law managed so as to preserve it's flora, fauna, physical features, etc. 5 DD Name: HYDRO Code: CATREA_5 Date accepted: 2000-11-01 Name: bird sancture - Definition: a tract of sancture reserve it's reserve it's flora, fauna, physical features, etc. 5 DD Name: HYDRO Code: CATREA_5 Date accepted: 2000-11-01 Name: a place where birds are bred and protected. Date accepted: 2000-11-01 Name: Name: a narea combinatoria in a neae combinatoria in aniget reserve in a neae combinatoria in a neae	DD Name:	HYDRO	Date accepted: 2000-	11-01					
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Value Data Dictionary (DD) Reference 4 DD Name: HYDRO Code: CATREA_4 Date accepted: 2000-11-01 Name: nature reserve Definition: a tract of land managed so as to preserve it's flora, fauna, physical features, etc. 5 DD Name: HYDRO Code: CATREA_5 Date accepted: 2000-11-01 Name: bird sanctuary Definition: a place where birds are bred and protected. 2000-11-01 Name: military area Do Name: HYDRO Code: CATREA_9 Date accepted: 2000-11-01 Name: military area Definition: an area controlled by the military in which restrictions may apply. (Hydrographic Service, Royal Australian Navy) 12 DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: mavigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering.	Enumeratio	ons:							
4 DD Name: HYDRO Code: CATREA_4 Date accepted: 2000-11-01 Name: nature reserve Definition: a tract of land managed so as to preserve it's flora, fauna, physical features, etc. 5 DD Name: HYDRO Code: CATREA_5 Date accepted: 2000-11-01 Name: bird sanctuary Definition: a place where birds are bred and protected. Date accepted: 2000-11-01 Name: military area Definition: a narea controlled by the military in which restrictions may apply. (Hydrographic Service, Royal Australian Navy) 12 DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: waiting area									
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Definition:a tract of land managed so as to preserve is flora, fauna, physical features, etc.5DD Name:HYDROCode:CATREA_5Date accepted:2000-11-01Name:bird sanctuaryDefinition:a place where birds are bred and protected.9DD Name:HYDROCode:CATREA_9Date accepted:2000-11-01Name:military areaDefinition:an area controlled by the military in which restrictions may apply. (Hydrographic Service, Royal Australian Nuvy)12DD Name:HYDROCode:CATREA_12Date accepted:2000-11-01Name:navigational aid safety zoneDefinition:an area around a navigational aid which vessels are prohibited from entering.19DD Name:HYDROCode:CATREA_19Date accepted:2000-11-01Name:navigational aid safety zoneDate accepted:2000-11-0119DD Name:HYDROCode:CATREA_19Date accepted:2000-11-01Name:waiting area	4	DD Name:	HYDRO Code: CATREA_	4 Date accepted:	2000-11-01				
5 DD Name: HYDRO Code: CATREA_5 Date accepted: 2000-11-01 Name: bird sanctuary Definition: a place where birds are bred and protected. 9 DD Name: HYDRO Code: CATREA_9 Date accepted: 2000-11-01 Name: military area Definition: an area controlled by the military in which restrictions may apply. (Hydrographic Service, Royal Australian Navy) 12 DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: waiting area		Name:	nature reserve						
 Name: bird sanctuary Definition: a place where birds are bred and protected. 9 DD Name: HYDRO Code: CATREA_9 Date accepted: 2000-11-01 Name: military area Definition: an area controlled by the military in which restrictions may apply. (Hydrographic Service, Royal Australian Navy) 12 DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: waiting area Definition: an area reserved for vessels waiting to enter a harbour. 22 DD Name: HYDRO Code: CATREA_22 Date accepted: 2000-11-01 		Definition:	a tract of land managed so as to	preserve it's flora, fauna, pl	hysical features, etc.				
Definition: a place where birds are bred and protected. 9 DD Name: HYDRO Code: CATREA_9 Date accepted: 2000-11-01 Name: military area Definition: an area controlled by the military in which restrictions may apply. (Hydrographic Service, Royal Australian Navy) 12 DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: waiting area	5	DD Name:	HYDRO Code: CATREA_	5 Date accepted:	2000-11-01				
9 DD Name: HYDRO Code: CATREA_9 Date accepted: 2000-11-01 Name: military area Definition: an area controlled by the military in which restrictions may apply. (Hydrographic Service, Royal Australian Navy) 12 DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 19 Definition: an area reserved for vessels waiting to enter a harbour. 22 DD Name: HYDRO Code: CATREA_22 Date accepted: 2000-11-01		Name:	bird sanctuary						
Name: military area Definition: an area controlled by the military in which restrictions may apply. (Hydrographic Service, Royal Australian Navy) 12 DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 19 DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 22 DD Name: HYDRO Code: CATREA_22 Date accepted: 2000-11-01 22 DD Name: HYDRO Code: CATREA_22 Date accepted: 2000-11-01		Definition:	a place where birds are bred and	d protected.					
 Definition: an area controlled by the military in which restrictions may apply. (Hydrographic Service, Royal Australian Navy) DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: waiting area Definition: an area reserved for vessels waiting to enter a harbour. DD Name: HYDRO Code: CATREA_22 Date accepted: 2000-11-01 	9	DD Name:	HYDRO Code: CATREA_	9 Date accepted:	2000-11-01				
Australian Navy) 12 DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: waiting area Definition: an area reserved for vessels waiting to enter a harbour. 22 22 DD Name: HYDRO Code: CATREA_22 Date accepted: 2000-11-01		Name:	military area						
12 DD Name: HYDRO Code: CATREA_12 Date accepted: 2000-11-01 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: waiting area Definition: an area reserved for vessels waiting to enter a harbour. 22 22 DD Name: HYDRO Code: CATREA_22 Date accepted: 2000-11-01									
 Name: navigational aid safety zone Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: waiting area Definition: an area reserved for vessels waiting to enter a harbour. 22 DD Name: HYDRO Code: CATREA_22 Date accepted: 2000-11-01 									
Definition: an area around a navigational aid which vessels are prohibited from entering. 19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: waiting area Definition: an area reserved for vessels waiting to enter a harbour. 22 DD Name: HYDRO Code: CATREA_22 Date accepted: 2000-11-01	12			12 Date accepted:	2000-11-01				
19 DD Name: HYDRO Code: CATREA_19 Date accepted: 2000-11-01 Name: waiting area Definition: an area reserved for vessels waiting to enter a harbour. 22 DD Name: HYDRO Code: CATREA_22 Date accepted: 2000-11-01									
Name:waiting areaDefinition:an area reserved for vessels waiting to enter a harbour.22DD Name:HYDROCode:CATREA_22Date accepted:200-11-01		Definition:	an area around a navigational ai	d which vessels are prohibit	ted from entering.				
Definition: an area reserved for vessels waiting to enter a harbour.22DD Name: HYDROCode: CATREA_22Date accepted: 2000-11-01	19	DD Name:	HYDRO Code: CATREA_	19 Date accepted:	2000-11-01				
22 DD Name: HYDRO Code: CATREA_22 Date accepted: 2000-11-01		Name:	waiting area						
		Definition:	an area reserved for vessels wa	ting to enter a harbour.					
Name: fish sanctuary	22	DD Name:	HYDRO Code: CATREA_	22 Date accepted:	2000-11-01				
		Name:	fish sanctuary						

Value	Data Dictio	onary (DD) Refe	rence							
	Definition:	a place where	e fish ar	e protected.						
23	DD Name:	HYDRO (Code:	CATREA_23	Date accepted:	2000-11-01				
	Name:	ecological rese	erve							
	Definition: other and t	a tract of land to their surround	-	ged so as to preserve t	the relation of plar	nts and living creatures to each				
25	DD Name:	HYDRO (Code:	CATREA_25	Date accepted:	2000-11-01				
	Name:	swinging area								
	Definition: an area where vessels turn. (Service Hydrographique et Océanographique de la Marine, France).									
26	DD Name:	HYDRO (Code:	CATREA_26	Date accepted:	2000-11-01				
	Name:	water skiing ar	rea							
	Definition:	an area within	n which	people may water ski	and therefore ves	sel movement may be restricted.				
1	DD Name:	HYDRO (Code:	CATREA_1	Date accepted:	2000-11-01				
	Name:	offshore safety	y zone							
	•		l regula	ations protect installati		are prohibited from entering y zone and vessels of all				
33	DD Name:	IENC	Code:	CATREA_33	Date accepted:	2017-11-06				
	Name:	ship pollution e	emissic	on control						
	Definition:	an area set up	o to reg	ulate ship pollution en	nissions					

Attribute	Catego	ory of road								
Acronym:	CATRO	חר					Code:	57		
Use Type:	F						0000.	01		
Value Type	9: E									
Data Dictio	nary (DD) R	eference:								
DD Name:	HYDRO	Date	accept	ted: 2000-11-01						
Definition:										
Enumeratio	ns.									
	<u>.</u>									
Value	Data Dictio	Dictionary (DD) Reference								
1	DD Name:	HYDRO	Code:	CATROD_1	Date accepted:	2000-11-01				
	Name:	motorway								
	Definition:	-	with sep	parate carriageways	and limited access,	specially construct	ted and			
	controlled f	or fast motor tr	•							
2	DD Name:	HYDRO	Code:	CATROD_2	Date accepted:	2000-11-01				
	Name:	major road								
	Definition:	a hard surface	ed (me	talled) road; a main	through route.					
3	DD Name:	HYDRO	Code:	CATROD_3	Date accepted:	2000-11-01				
-	Name:	minor road								
	Definition:	a secondary r	road foi	r local traffic.						
		-								
4	DD Name:		Code:	CATROD_4	Date accepted:	2000-11-01				
	Name:	track/path								
	Definition: by continua	-	h path	or way formed by us	se. path - a way or tr	ack laid down for v	walking or ma	ade		

Attribute	Catego	ory of runway						
Acronym:	CATRU	JN					Code:	58
Use Type:	F							
Value Type	»: L							
Data Dictio	nary (DD) R	eference:						
DD Name:	HYDRO	Date	e accept	ted: 2000-11-01				
Definition:	Category	of runway						
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Ref	erence					
1	DD Name:	HYDRO	Code:	CATRUN_1	Date accepted:	2000-11-01		
	Name:	aeroplane ru	nway					
	Definition:	a level stretc	h of lan	d where aeroplanes ta	ake off and land			
2	DD Name:	HYDRO	Code	CATRUN_2	Date accepted:	2000-11-01		
۷	Name:	helicopter lar			Date accepted.	2000-11-01		
		-			ako off			
	Definition:	a site on whi		opters may land and t	ake Uli			

Attribute	Catego	ry of sea area	
Acronym:	CATSE	A	Code: 59
Use Type:	F		
Value Type	:: E		
Data Dictio	nary (DD) R	eference:	
DD Name:	HYDRO	Date accepted: 2000-11-01	
Definition:			
<u>Enumeratio</u>	ons:		
Value	Data Dictio	nary (DD) Reference	
13	DD Name:	HYDRO Code: CATSEA_13 Date accepted:	2000-11-01
	Name:	shoal	
	Definition:	an offshore hazard to surface navigation that is composed of	of unconsolidated material.
51	DD Name:	HYDRO Code: CATSEA_51 Date accepted:	2000-11-01
	Name:	canal	
	Definition:	an artificial water course used for navigation.	
53	DD Name:	HYDRO Code: CATSEA_53 Date accepted:	2000-11-01
	Name:	river	
	Definition:	a relatively large natural stream of water.	
52	DD Name:	HYDRO Code: CATSEA_52 Date accepted:	2000-11-01
	Name:	lake	
	Definition:	a large body of water entirely surrounded by land.	
12	DD Name:	HYDRO Code: CATSEA_12 Date accepted:	2000-11-01
	Name:	narrows	
	Definition:	a navigable narrow part of a bay, strait, river, etc.	
54	DD Name:	HYDRO Code: CATSEA_54 Date accepted:	2000-11-01
	Name:	reach	
	Definition:	a straight section of a river, specially a navigable river betwee	een two bends or an arm of the

Value	Data Dictio	nary (DD) Rei	ference			
	sea extend	ing into the la	nd			
5	DD Name:	HYDRO	Code:	CATSEA_5	Date accepted:	2000-11-01
	Name:	bay				
	Definition:	an indentation	on in the	coastline		
57	DD Name:	IENC	Code:	CATSEA_57	Date accepted:	2014-12-10
	Name:	chute				
	Definition:	an inclined p	olane, slo	oping channel, or pass	sage down or throu	ugh which things may pass
58	DD Name:	IENC	Code:	CATSEA_58	Date accepted:	2014-12-10
	Name:	backwater/s	lough			
	Definition:	a body of wa	ater (as a	an inlet or tributary) the	at is out of the mai	in current of a larger body
59	DD Name:	IENC	Code:	CATSEA_59	Date accepted:	2014-12-10
	Name:	bend				
	Definition:	a curve or c	hange in	direction of a waterco	ourse or river	

CATSL F	.C						
F						Code:	60
Е							
y (DD) Re	eference:						
IYDRO		e accept	ed: 2000-11-01				
<u>.</u>							
<u>-</u>							
ata Dictio	nary (DD) Ref	erence					
D Name:	HYDRO	Code:	CATSLC_1	Date accepted:	2000-11-01		
ame:	breakwater						
		rotecting	g a shore area, ha	rbour, anchorage, or b	basin from waves.	(IHO Diction	ary,
D Name:	HYDRO	Code:	CATSLC_2	Date accepted:	2000-11-01		
ame:	groyne (groin)					
•	urpose, such a	as to pre	event coast erosio		•		
D Name:	HYDRO	Code:	CATSLC_4	Date accepted:	2000-11-01		
ame:	pier (jetty)						
efinition: a prome	-		-		berthing place for	vessels, to s	erve
D Name:	HYDRO	Code:	CATSLC_5	Date accepted:	2000-11-01		
ame:	promenade p	ier					
efinition:	a pier built o	nly for re	ecreational purpos	es. (IHO Chart Specif	ications, M-4)		
D Name:	HYDRO	Code:	CATSLC_6	Date accepted:	2000-11-01		
ame:	wharf (quay)			-			
efinition:	a structure s	erving a	s a berthing place	for vessels. (IHO Dict	tionary, S-32, 5th E	Edition, 5985)
	Ata Diction D Name: ame: ame: ame: ame: ame: ame: ame:	ata Dictionary (DD) Refe D Name: HYDRO ame: breakwater efinition: a structure p 32, 5th Edition, 542) D Name: HYDRO ame: groyne (groin efinition: a low artificia inticular purpose, such a inticular purpose, such a di IHO Chart Specificati D Name: HYDRO ame: pier (jetty) efinition: a long, narro a promenade, etc. (IHO D Name: HYDRO ame: promenade p efinition: a pier built or D Name: HYDRO ame: momenade p efinition: a pier built or D Name: HYDRO ame: wharf (quay)	IYDRO Date accept IYDRO Date accept Date accept Date accept IATA Dictionary (DD) Reference Date accept Date accept Interactionary (DD) Reference D Name: HYDRO Code: ame: breakwater efinition: a structure protecting 32, 5th Edition, 542) Doname: D Name: HYDRO Code: ame: groyne (groin) efinition: a low artificial wall-like inition: a low artificial wall-like of IHO Chart Specifications, M- Doname: D Name: HYDRO Code: ame: pier (jetty) efinition: a long, narrow struct a promenade, etc. (IHO Diction D Name: HYDRO Code: ame: ame: promenade pier efinition: a pier built only for reference D Name: HYDRO Code: ame: promenade pier efinition: a pier built only for reference D Name: HYDRO Code:	IYDRO Date accepted: 2000-11-01 Date accepted: 2000-11-01 Date accepted: 2000-11-01 ata Dictionary (DD) Reference Date accepted: CATSLC_1 D Name: HYDRO Code: CATSLC_1 ame: breakwater efinition: a structure protecting a shore area, ha 32, 5th Edition, 542) Do Name: HYDRO D Name: HYDRO Code: CATSLC_2 ame: groyne (groin) efinition: a low artificial wall-like structure of dur riticular purpose, such as to prevent coast erosion di HO Chart Specifications, M-4) D Name: HYDRO Code: CATSLC_4 ame: pier (jetty) efinition: a long, narrow structure extending into a promenade, etc. (IHO Dictionary, S-32, 5th Ecc D Name: HYDRO Code: CATSLC_5 ame: promenade pier efinition: a pier built only for recreational purpos D Name: HYDRO Code: CATSLC_6 ame: wharf (quay)	IYDRO Date accepted: 2000-11-01 IYDRO Date accepted: 2000-11-01 ata Dictionary (DD) Reference Date accepted: 2000-11-01 D Name: HYDRO Code: CATSLC_1 Date accepted: 2000-11-01 ame: breakwater breakwater Date accepted: 2000-11-01 ame: breakwater Date accepted: 2000-11-01 Date accepted: 2000-11-01 ame: breakwater Date accepted: 2000-11-01 Date accepted: 2000-11-01 ame: groyne (groin) Date accepted: 2000-11-01 Date accepted: 2000-11-01 of Name: HYDRO Code: CATSLC_2 Date accepted: 2000-11-01 D Name: HYDRO Code: CATSLC_4 Date accepted: 2000-11-01 D Name: HYDRO Code: CATSLC_4 Date accepted: 2000-2000-2000-2000-2000-2000-2000-200	YDRO Date accepted: 2000-11-01 Ata Dictionary (DD) Reference O Name: HYDRO Code: CATSLC_1 Date accepted: 2000-11-01 ame: breakwater afinition: a structure protecting a shore area, harbour, anchorage, or basin from waves. 32, 5th Edition, 542) Date accepted: 2000-11-01 ame: groyne (groin) ofinition: a low artificial wall-like structure of durable material extending from the land to the tricular purpose, such as to prevent coast erosion (adapted from IHO Dictionary, S-32, 5th dition) O Name: HYDRO Code: CATSLC_4 Date accepted: 2000-11-01 ame: pier (jetty) Date accepted: 2000-11-01 Date accepted: 2000-11-01 ame: pier (jetty) Date accepted: 2000-11-01 Date accepted: 2000-11-01 ame: pier (jetty) Date accepted: 2000-11-01 Date accepted: 2000-11-01 ame: pier built only for recreational purposes. (IHO Chart Specifications, M-4) Downence thy DRO Code: CATSLC_5 Date accepted: 2000-11-01 Downe: HYDRO Code: CATSLC_5 Date accepted: 2000-11-01 Date accepted: 2000-11-01 Downe: HYDRO Code: CATSLC_5 Date accepted: 2000-11-01	YDRO Date accepted: 2000-11-01 Ata Dictionary (DD) Reference O Name: HYDRO Code: CATSLC_1 Date accepted: 2000-11-01 ame: breakwater afinition: a structure protecting a shore area, harbour, anchorage, or basin from waves. (IHO Dictionare, 32, 5th Edition, 542) O Name: HYDRO Code: CATSLC_2 Date accepted: 2000-11-01 ame: groyne (groin) afinition: a low artificial wall-like structure of durable material extending from the land to seaward for frictular purpose, such as to prevent coast erosion (adapted from IHO Dictionary, S-32, 5th Edition, 25 d) HOC Chart Specifications, M-4) O Name: HYDRO Code: CATSLC_4 Date accepted: 2000-11-01 ame: pier (jetty) Intel Art Specifications, M-4) Date accepted: 2000-11-01 ame: pier (jetty) Intel Art Specifications, S-32, 5th Edition, 3833) Date accepted: 2000-11-01 ame: pier (jetty) Intel Art Specifications, M-4) Date accepted: 2000-11-01 Intermet in the proof code: CATSLC_5 Date accepted: 2000-11-01 Intermet in the proof code: CATSLC_6 Date accepted:

Value	Data Dictic	onary (DD) Re	ference										
7	DD Name:	HYDRO	Code:	CATSLC_7	Date accepted:	2000-11-01							
	Name:	training wall											
		scour action.		submerged, built to d I from IHO Dictionary,		e flow of a river or tidal current, or to 5586 and IHO Chart							
8	DD Name:	HYDRO	Code:	CATSLC_8	Date accepted:	2000-11-01							
	Name:	rip rap											
	forces of fle	-	nd wave	action. (Adapted from	-	ufficient size to resist the erosive nual, US National Oceanic and							
9	DD Name:	HYDRO	Code:	CATSLC_9	Date accepted:	2000-11-01							
	Name:	revetment											
	stream, riv	Definition: facing of stone or other material, either permanent or temporary, placed along the edge of a stream, river or canal to stabilize the bank and to protect it from the erosive action of the stream. (Adapted from IHO Dictionary, S-32, 5th Edition, 4379)											
10	DD Name:	HYDRO	Code:	CATSLC_10	Date accepted:	2000-11-01							
	Name:	sea wall											
	Definition: (IHO Dictic	an embankr onary, S-32, 5t			inst waves or tidal	action along a shore or water front.							
11	DD Name:	HYDRO	Code:	CATSLC_11	Date accepted:	2000-11-01							
	Name:	landing step	S										
	Definition:	steps at the	shorelin	e as the connection b	etween land and v	vater on different levels.							
12	DD Name:	HYDRO	Code:	CATSLC_12	Date accepted:	2000-11-01							
	Name:	ramp											
		nding ships, o	r a ferry		cradle carrying a v	ce, at variable water levels, for small ressel, which may include rails.							
13	DD Name:	HYDRO	Code:	CATSLC_13	Date accepted:	2000-11-01							
	Name:	slipway											
				ually reinforced incline uction. (IHO Dictionar		h keel- and bilge-blocks are laid for n, 4775)							
14	DD Name:	HYDRO	Code:	CATSLC_14	Date accepted:	2000-11-01							
	Name:	fender											

Value	Data Dictio	nary (DD) Rei	ary (DD) Reference									
	Definition:	a protective	structure	e designed to cushion	the impact of a ve	essel and prevent damage.						
15	DD Name:	HYDRO	Code:	CATSLC_15	Date accepted:	2000-11-01						
	Name:	solid face wh	narf									
	wharf may between su	efinition: a wharf consisting of a solid wall of concrete, masonry, wood etc., such that the water cannot rculate freely under the wharf. The type of construction affects ship-handling; for example, a solid face harf may give shelter from tidal streams, but under certain circumstances a cushion of water may build up etween such a wharf and a ship attempting to berth at it, causing difficulties in ship handling. (Capt. A. ae, pilot, Port of Halifax and Mr. R. Morash, wharf building engineer, Transport Canada)										
16	DD Name:	HYDRO	Code:	CATSLC_16	Date accepted:	2000-11-01						
	Name:	open face w	harf									

Definition: a wharf supported on piles or other structures which allow free circulation of water under the wharf. (Capt. A. Rae, pilot, Port of Halifax and Mr. R. Morash, wharf building engineer, Transport Canada)

Attribto	Cata	any of ails (tank		
Attribute	Catego	ory of silo/tank		
Acronym:	CATSI	IL	Code:	63
Use Type:	F			
Value Type	: Е			
Data Dictio	nary (DD) R	Reference:		
DD Name:	HYDRO	Date accepted: 2008-01-31		
Definition:				
Enumeratio	<u>ms.</u>			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	HYDRO Code: CATSIL_1 Date accepted: 2000-11-01		
	Name:	silo in general		
	Definition:	a generally cylindrical tower used for storing fodder or grain.		
2	DD Name:	HYDRO Code: CATSIL_2 Date accepted: 2000-11-01		
	Name:	tank in general		
	Definition:	a fixed structure for storing liquids. (IHO Dictionary, S-32, 5th Edition, 5290)		
3	DD Name:	HYDRO Code: CATSIL_3 Date accepted: 2000-11-01		
	Name:	grain elevator		
	Definition:	a storage building for grain. Usually a tall frame, metal or concrete structure with	n an especia	ally
	compartme	ented interior. (The New Encyclopaedia Britannica Micropaedia, 15th Edition).		
4	DD Name:	HYDRO Code: CATSIL_4 Date accepted: 2000-11-01		
	Name:	water tower		
	Definition:	a tower with an elevated container used to hold water.		

Attribute	Category	y of slope						
Acronym:	CATSLC)					Code:	64
Use Type:	F							
Value Type	e: E							
Data Dictio	onary (DD) Ref	ference:						
DD Name:	HYDRO	Date	accept	ted: 2000-11-01				
Definition:								
Enumerati	ons:							
Value	Data Dictiona	ary (DD) Refe	erence					
2	DD Name: I	HYDRO	Code:	CATSLO_2	Date accepted:	2000-11-01		
	Name: e	embankment						
	Definition: serving to da		levation	constructed from ear	th, stone, etc. carr	ying a road, railway oi	r similar or	
3	DD Name: I	HYDRO	Code:	CATSLO_3	Date accepted:	2000-11-01		
	Name: o	dune						
		a mound, rido S-32, 5th Editi			n the sea coast or i	n a desert. (adapted f	rom IHO	
6	DD Name: I	HYDRO	Code:	CATSLO_6	Date accepted:	2000-11-01		
	Name: o	cliff						
		land rising at S-32, 5th Editi			ance above the wa	ater or surrounding lar	nd. (IHO	
1	DD Name: I	HYDRO	Code:	CATSLO_1	Date accepted:	2000-11-01		
	Name: o	cutting						
	Definition:	an excavatio	n throug	gh high ground for a re	oad, canal, etc.			

Attribute	Catego	y of small craft facility	
Acronym:	CATSO	F	Code: 65
Use Type:	F		
Value Type	e: L		
Data Dictio	nary (DD) R	ference:	
DD Name:	HYDRO	Date accepted: 2000-11-01	
Definition:			
Enumeratio	ons:		
Value	Data Dictio	ary (DD) Reference	
1	DD Name:	HYDRO Code: CATSCF_1 Date acc	epted: 2000-11-01
	Name:	visitor's berth	
	Definition:	a berth set aside for the use of visiting vessels.	
2	DD Name:	HYDRO Code: CATSCF_2 Date acc	epted: 2000-11-01
	Name:	nautical club	
	Definition:	a club for mariners generally associated with other sr	nall craft facilities.
3	DD Name:	HYDRO Code: CATSCF_3 Date acc	epted: 2000-11-01
	Name:	boat hoist	
	Definition:	a hoist for lifting boats out of the water.	
4	DD Name:	HYDRO Code: CATSCF_4 Date acc	epted: 2000-11-01
	Name:	sailmaker	
	Definition:	a place where sails are made or may be taken for rep	pair.
5	DD Name:	HYDRO Code: CATSCF_5 Date acc	epted: 2000-11-01
	Name:	boatyard	
	Definition:	a place on shore where boats may be built, stored an	nd repaired.
6	DD Name:	HYDRO Code: CATSCF_6 Date acc	epted: 2000-11-01
-	Name:	public inn	-1
	Definition:	a public house providing food, drink and accommoda	tion. (The Collins Reference English

Value		nary (DD) Rei	ference			
	Dictionary,	1992)				
7	DD Name:	HYDRO	Code:	CATSCF_7	Date accepted:	2000-11-01
	Name:	restaurant				
	Definition:	a commercia	al establi	ishment serving food.	(The Collins Refer	ence Dictionary, 1992)
8	DD Name:	HYDRO	Code:	CATSCF_8	Date accepted:	2000-11-01
	Name:	chandler				
	Definition:	a dealer in s	ships' sup	oplies. (The Collins Re	eference Dictionary	y, 1992)
9	DD Name:	HYDRO	Code:	CATSCF_9	Date accepted:	2000-11-01
	Name:	provisions				
	Definition:	a place whe	re food a	and other such supplie	es are available.	
10	DD Name:	HYDRO	Code:	CATSCF_10	Date accepted:	2000-11-01
	Name:	doctor				
	Definition:	a place whe	re a doc	tor is available to prov	ide medical attent	ion.
11	DD Name:	HYDRO	Code:	CATSCF_11	Date accepted:	2000-11-01
	Name:	pharmacy				
	Definition:	a place whe	re medic	al drugs are dispense	ed.	
12	DD Name:	HYDRO	Code:	CATSCF_12	Date accepted:	2000-11-01
	Name:	water tap				
	Definition:	a place whe	re fresh	water is available.		
13	DD Name:	HYDRO	Code:	CATSCF_13	Date accepted:	2000-11-01
	Name:	fuel station				
	Definition:	a place whe	re fuel is	available.		
14	DD Name:	HYDRO	Code:	CATSCF_14	Date accepted:	2000-11-01
	Name:	electricity				
	Definition:	a place whe	re a con	nection to an electrica	l supply is availab	le.
15	DD Name:	HYDRO	Code:	CATSCF_15	Date accepted:	2000-11-01
	Name:	bottle gas				
	Definition:	a place whe	re bottle	d gas is available.		

Value	Data Dictio	nary (DD) Ref	erence			
16	DD Name:	HYDRO	Code:	CATSCF_16	Date accepted:	2000-11-01
	Name:	showers				
	Definition:	a place whe	re show	ers are available.		
17	DD Name:	HYDRO	Code:	CATSCF_17	Date accepted:	2000-11-01
	Name:	launderette				
	Definition:	a place whe	re there	are facilities for washi	ng clothes.	
18	DD Name:	HYDRO	Code:	CATSCF_18	Date accepted:	2000-11-01
	Name:	public toilets				
	Definition:	a place whe	re toilets	s are available for pub	lic use.	
19	DD Name:	HYDRO	Code:	CATSCF_19	Date accepted:	2000-11-01
	Name:	post box				
	Definition:	a place whe	re mail r	may be posted.		
20	DD Name:	HYDRO	Code:	CATSCF_20	Date accepted:	2000-11-01
	Name:	public teleph	one			
	Definition:	a place whe	re a tele	phone is available for	public use.	
21	DD Name:	HYDRO	Code:	CATSCF_21	Date accepted:	2000-11-01
	Name:	refuse bin				
	Definition:	a place whe	re refuse	e may be dumped.		
22	DD Name:	HYDRO	Code:	CATSCF_22	Date accepted:	2000-11-01
	Name:	car park				
	Definition:	a place whe	re cars r	may be parked.		
23	DD Name:	HYDRO	Code:	CATSCF_23	Date accepted:	2000-11-01
	Name:	parking for b	oats and	d trailers		
	Definition:	a place on s	hore wh	ere boats and/or traile	ers may be parked.	
24	DD Name:	HYDRO	Code:	CATSCF_24	Date accepted:	2000-11-01
	Name:	caravan site				
	Definition:	a place whe	re carav	ans may be parked or	where caravan ac	ccommodation is provided.
25	DD Name:	HYDRO	Code:	CATSCF_25	Date accepted:	2000-11-01

Value	Data Dictic	Data Dictionary (DD) Reference							
	Name:	camping site							
	Definition:	a place where visitors may pitch tents and camp.							
26	DD Name:	HYDRO Code: CATSCF_26 Date accepted: 2000-11-01							
	Name:	sewerage pump-out station							
	Definition:	a place where sewerage may be pumped off a vessel.							
27	DD Name:	HYDRO Code: CATSCF_27 Date accepted: 2000-11-01							
	Name:	emergency telephone							
	Definition:	a place where a telephone is available for emergency use only.							
28	DD Name:	HYDRO Code: CATSCF_28 Date accepted: 2000-11-01							
	Name:	anding/launching place for boats							
	Definition:	a place where boats may be landed or launched.							
29	DD Name:	HYDRO Code: CATSCF_29 Date accepted: 2000-11-01							
	Name:	visitors mooring							
	Definition:	a mooring set aside for the use of visiting vessels.							
30	DD Name:	HYDRO Code: CATSCF_30 Date accepted: 2000-11-01							
	Name:	scrubbing berth							
	Definition:	a place where vessels may berth for the purpose of careening.							
31	DD Name:	HYDRO Code: CATSCF_31 Date accepted: 2000-11-01							
	Name:	picnic area							
	Definition:	a place where people may go to eat a picnic.							
32	DD Name:	HYDRO Code: CATSCF_32 Date accepted: 2000-11-01							
	Name:	mechanics workshop							
	Definition:	a place where mechanical repairs can be undertaken to engines or other vessel equipment.							
33	DD Name:	HYDRO Code: CATSCF_33 Date accepted: 2000-11-01							
	Name:	guard and/or security service							
	Definition:	a place where a vessel is patrolled by a security service or stored in a secure lockup.							

Attribute	Catego	Category of special purpose mark								
Acronym:	CATSF	PM				Code:	66			
Use Type:	F									
Value Type	: L									
Data Dictior	hary (DD) R	eference:								
	HYDRO		e accep	ted: 2000-11-01						
Definition:			·							
Enumeratio	ns:									
	<u>110.</u>									
Value	Data Dictio	nary (DD) Ref	ference							
9	DD Name:	HYDRO	Code:	CATSPM_9	Date accepted:	2000-11-01				
	Name:	ODAS (Ocea	an-Data-	Acqusition-System)						
	Definition:	Ocean Data	Acqusit	ion System (IHO Dict	ionary, S-32, 5th E	dition, 5953				
15	DD Name:	HYDRO	Code:	CATSPM_15	Date accepted:	2000-11-01				
	Name:	LANBY (Lar	ge Autor	natic Navigational Bu	оу)					
	Definition:	• •	•	•	•	construction of an offshore ligh	t			
	station is no	ot feasible. (IF	IO Dictio	onary, S-32, 5th Editio	on, 2656)					
53	DD Name:	HYDRO	Code:	CATSPM_53	Date accepted:	2000-11-01				
	Name:	wellhead ma	ırk							
	Definition: (adapted fro		-	oorehole that produce 32, 5th Edition, 5971		producing oil or natural gas.				
50						0000 44 04				
56	DD Name:			CATSPM_56	Date accepted:	2000-11-01				
	Name: Definition:	artificial reef		aviatoria ar the ext	ant of an artificial r	oof				
			aung me	e existence or the ext						
1	DD Name:	HYDRO	Code:	CATSPM_1	Date accepted:	2000-11-01				
	Name:	firing danger								
	Definition:	a mark used	l to indic	ate a firing danger ar	ea, usually at sea.					
2	DD Name:	HYDRO	Code:	CATSPM_2	Date accepted:	2000-11-01				

Value	Data Dictio	nary (DD) Reference								
	Name:	target mark								
	Definition: ground poi		any object toward which something is directed. The distinctive marking or instrumentation of a to aid its identification on a photograph.							
3	DD Name:	HYDRO Code:	CATSPM_3	Date accepted:	2000-11-01					
	Name:	marker ship mark								
	Definition:	a mark marking the	position of a ship whic	h is used as a targ	get during some military exercise.					
4	DD Name:	HYDRO Code:	CATSPM_4	Date accepted:	2000-11-01					
	Name:	degaussing range m	degaussing range mark							
	Definition:	a mark used to indic	ate a degaussing rang	ge,						
5	DD Name:	HYDRO Code:	CATSPM_5	Date accepted:	2000-11-01					
	Name:	barge mark								
	Definition:	a mark of relevance	to barges.							
6	DD Name:	HYDRO Code:	CATSPM_6	Date accepted:	2000-11-01					
	Name:	cable mark								
	Definition:	a mark used to indic	ate the position of sub	omarine cables or	the point at which they run on land.					
7	DD Name:	HYDRO Code:	CATSPM_7	Date accepted:	2000-11-01					
	Name:	spoil ground mark								
	Definition:	a mark used to indic	ate the limit of a spoil	ground.						
8	DD Name:	HYDRO Code:	CATSPM_8	Date accepted:	2000-11-01					
	Name:	outfall mark								
	Definition:	a mark used to indic	ate the position of an	outfall or the point	at which it leaves the land.					
10	DD Name:	HYDRO Code:	CATSPM_10	Date accepted:	2000-11-01					
	Name:	recording mark								
	Definition:	a mark used to reco	rd data for scientific p	urposes.						
11	DD Name:	HYDRO Code:	CATSPM_11	Date accepted:	2000-11-01					
	Name:	seaplane anchorage	mark							
	Definition:	a mark used to indic	ate a seaplane ancho	rage.						
12	DD Name:	HYDRO Code:	CATSPM_12	Date accepted:	2000-11-01					
	Name:	recreation zone mar	k							

Value	Data Dictic	Dictionary (DD) Reference							
	Definition:	a mark used to indicate a recreation zone.							
13	DD Name:	: HYDRO Code: CATSPM_13 Date accepted: 2000-11-01							
	Name:	private mark							
	Definition:	a privately maintained mark							
14	DD Name:	HYDRO Code: CATSPM_14 Date accepted: 2000-11-01							
	Name:	mooring mark							
	Definition:	a mark indicating a mooring or moorings.							
16	DD Name:	HYDRO Code: CATSPM_16 Date accepted: 2000-11-01							
	Name:	leading mark							
	Definition: marks ider	aids to navigation or other indicators so located as to indicate the path to be followed. Leading ntify a leading line when they are in transit							
17	DD Name:	HYDRO Code: CATSPM_17 Date accepted: 2000-11-01							
	Name:	measured distance mark							
	Definition:	a mark forming part of a transit indicating one end of a measured distance.							
18	DD Name:	: HYDRO Code: CATSPM_18 Date accepted: 2000-11-01							
	Name:	notice mark							
	Definition:	a notice board or sign indicating information to the mariner.							
19	DD Name:	HYDRO Code: CATSPM_19 Date accepted: 2000-11-01							
	Name:	TSS mark							
	Definition:	a mark indicating a traffic separation scheme							
20	DD Name:	HYDRO Code: CATSPM_20 Date accepted: 2000-11-01							
	Name:	anchoring prohibited mark							
	Definition:	a mark indicating an anchoring prohibited area.							
21	DD Name:	HYDRO Code: CATSPM_21 Date accepted: 2000-11-01							
	Name:	berthing prohibited mark							
	Definition:	a mark indicating that berthing is prohibited.							
22	DD Name:	: HYDRO Code: CATSPM_22 Date accepted: 2000-11-01							
	Name:	overtaking prohibited mark							
	Definition:	a mark indicating that overtaking is prohibited.							

Value	Data Dictio	Data Dictionary (DD) Reference						
23	DD Name:	HYDRO	Code:	CATSPM_23	Date accepted:	2000-11-01		
	Name:	two-way traf	fic prohil	bited mark				
	Definition:	a mark indic	cating a c	one-way route.				
24	DD Name:	HYDRO	Code:	CATSPM_24	Date accepted:	2000-11-01		
	Name:	'reduced wa	ke' mark					
	Definition:	a mark indic	cating the	at vessels must not ge	enerate excessive	wake.		
25	DD Name:	HYDRO	Code:	CATSPM_25	Date accepted:	2000-11-01		
	Name:	speed limit r	nark					
	Definition:	a mark indic	cating the	at a speed limit applie	S.			
26	DD Name:	HYDRO	Code:	CATSPM_26	Date accepted:	2000-11-01		
	Name:	stop mark						
	Definition:	a mark indic	cating the	e place where the bov	v of a ship must sto	op when traffic lights show red.		
27	DD Name:	HYDRO	Code:	CATSPM_27	Date accepted:	2000-11-01		
	Name:	general war	ning mar	k				
	Definition:	a mark indic	cating the	at special caution mus	at be exercised in t	he vicinity of the mark.		
28	DD Name:	HYDRO	Code:	CATSPM_28	Date accepted:	2000-11-01		
	Name:	'sound ship's siren' mark						
	Definition:	a mark indic	cating the	at a ship should sound	d its siren or horn.			
29	DD Name:	HYDRO	Code:	CATSPM_29	Date accepted:	2000-11-01		
	Name:	restricted ve	ertical cle	arance mark				
	Definition:	a mark indic	cating the	e minimum vertical sp	ace available for p	assage.		
30	DD Name:	HYDRO	Code:	CATSPM_30	Date accepted:	2000-11-01		
	Name:	maximum ve	essel's d	raught mark				
	Definition:	a mark indic	cating the	e maximum draught o	f vessel permitted.			
31	DD Name:	HYDRO	Code:	CATSPM_31	Date accepted:	2000-11-01		
	Name:	restricted ho	orizontal	clearance mark				
	Definition:	a mark indic	cating the	e minimum horizontal	space available fo	r passage.		
32	DD Name:	HYDRO	Code:	CATSPM_32	Date accepted:	2000-11-01		

Value	Data Dictio	onary (DD) Reference
	Name:	strong current warning mark
	Definition:	a mark warning of strong currents.
33	DD Name:	HYDRO Code: CATSPM_33 Date accepted: 2000-11-01
	Name:	berthing permitted mark
	Definition:	a mark indicating that berthing is allowed.
34	DD Name:	HYDRO Code: CATSPM_34 Date accepted: 2000-11-01
	Name:	overhead power cable mark
	Definition:	a mark indicating an overhead power cable.
35	DD Name:	HYDRO Code: CATSPM_35 Date accepted: 2000-11-01
	Name:	'channel edge gradient' mark
	Definition:	a mark indicating the gradient of the slope of a dredge channel edge.
36	DD Name:	HYDRO Code: CATSPM_36 Date accepted: 2000-11-01
	Name:	telephone mark
	Definition:	a mark indicating the presence of a telephone.
37	DD Name:	HYDRO Code: CATSPM_37 Date accepted: 2000-11-01
	Name:	ferry crossing mark
	Definition: mark.	a mark indicating that a ferry route crosses the ship route; often used with a 'sound ship's siren'
39	DD Name:	HYDRO Code: CATSPM_39 Date accepted: 2000-11-01
	Name:	pipeline mark
	Definition: the land.	a mark used to indicate the position of submarine pipelines or the point at which they run on to
40	DD Name:	HYDRO Code: CATSPM_40 Date accepted: 2000-11-01
	Name:	anchorage mark
	Definition:	a mark indicating an anchorage area.
41	DD Name:	HYDRO Code: CATSPM_41 Date accepted: 2000-11-01
	Name:	clearing mark
	Definition:	a mark used to indicate a clearing line.
42	DD Name:	HYDRO Code: CATSPM_42 Date accepted: 2000-11-01

Value	Data Dictio	onary (DD) Reference	9		
	Name:	control mark			
	Definition:	a mark indicating the	he location at which a r	estriction or require	ement exists.
43	DD Name:	HYDRO Code	: CATSPM_43	Date accepted:	2000-11-01
	Name:	diving mark			
	Definition:	a mark indicating the	nat diving may take pla	ce in the vicinity.	
44	DD Name:	HYDRO Code	: CATSPM_44	Date accepted:	2000-11-01
	Name:	refuge beacon			
	Definition:	a mark providing o	r indicating a place of s	afety.	
45	DD Name:	HYDRO Code	: CATSPM_45	Date accepted:	2000-11-01
	Name:	foul ground mark			
	Definition:	a mark indicating a	foul ground.		
46	DD Name:	HYDRO Code	: CATSPM_46	Date accepted:	2000-11-01
	Name:	yachting mark			
	Definition:	a mark installed for	r use by yachtsmen.		
47	DD Name:	HYDRO Code	: CATSPM_47	Date accepted:	2000-11-01
	Name:	heliport mark			
	Definition:	a mark indicating a	n area where helicopte	ers may land.	
48	DD Name:	HYDRO Code	: CATSPM_48	Date accepted:	2000-11-01
	Name:	GPS mark			
	Definition:	a mark indicating a	location at which a GF	PS position has bee	en accurately determined.
49	DD Name:	HYDRO Code	: CATSPM_49	Date accepted:	2000-11-01
	Name:	seaplane landing m	nark		
	Definition:	a mark indicating a	n area where sea-plan	es land.	
50	DD Name:	HYDRO Code	: CATSPM_50	Date accepted:	2000-11-01
	Name:	entry prohibited ma	ırk		
	Definition:	a mark indicating the	hat entry is prohibited.		
51	DD Name:	HYDRO Code	: CATSPM_51	Date accepted:	2000-11-01
	Name:	work in progress m	ark		
	Definition:	a mark indicating the	nat work (generally con	struction) is in prog	gress.

Value	Data Dictio	nary (DD) Re	ference			
52	DD Name:	HYDRO	Code:	CATSPM_52	Date accepted:	2000-11-01
	Name:	mark with ur	nknown p	ourpose		
	Definition:	a mark who	se detail	ed characteristics are	unknown.	
54	DD Name:	HYDRO	Code:	CATSPM_54	Date accepted:	2000-11-01
	Name:	channel sep	aration r	nark		
	Definition:	a mark indic	ating the	e point at which a char	nnel divides separa	ately into two channels.
55	DD Name:	HYDRO	Code:	CATSPM_55	Date accepted:	2000-11-01
	Name:	marine farm	mark			
	Definition:	a mark indic	ating the	e existence of a fish, m	nussel, oyster or p	earl farm/culture.

Attribute	Catego	ory of temporal var	riation				
Acronym:	CATTE	V				Code:	19000
Use Type:	F						
Value Type	e: L						
Data Dictio	nary (DD) R	eference:					
DD Name:	HYDRO	Date ac	ccepted: 2019-05-	13			
Definition:	An assess	ment of the likelih	nood of change over	time.			
Enumeratio	ons:						
Value	Data Dictio	nary (DD) Refere	nce				
4	DD Name:	HYDRO Co	ode: CATTEV_4	Date accepted:	2019-05-13		
	Name:	likely to change					
	Definition:						
5	DD Name:	HYDRO Co	ode: CATTEV_5	Date accepted:	2019-05-13		
	Name:	unlikely to chang	ge				
	Definition:						
6	DD Name:	HYDRO Co	ode: CATTEV_6	Date accepted:	2019-05-13		
	Name:	unassessed					
	Definition:						

Attribute	Catego	ory of Tidal stream						
Acronym:	CAT_T	ΓS	Code:	188				
Use Type:	F							
Value Type	: L							
Data Diction	nary (DD) R	Reference:						
DD Name:	HYDRO	Date accepted: 2000-11-01						
Definition:	Category	of Tidal stream						
Enumeratio	ns.							
	<u></u>							
Value	Data Dictio	Data Dictionary (DD) Reference						
1	DD Name:	HYDRO Code: CAT_TS_1 Date accepted: 2000-11-01						
	Name:	flood stream						
		the horizontal movement of water associated with the rising tide. Flood streams e shore, or in the direction of the tide progression. Also called flood, flood current of dapted from IHO Dictionary, S-32, 5th Edition)		set				
2	DD Name:	HYDRO Code: CAT_TS_2 Date accepted: 2000-11-01						
	Name:	ebb stream						
		the horizontal movement of water associated with falling tide. Ebb streams gene or in the opposite direction to the tide progression. Also called ebb, ebb current or o dapted from IHO Dictionary, S-32, 5th Edition)	•					
3	DD Name:	HYDRO Code: CAT_TS_3 Date accepted: 2000-11-01						
	Name:	other tidal flow						
	Definition:	any other horizontal movement of water associated with tides, eg. rotary flow.						

Acronym: CATTSS Code: 67 Use Type: F Value Type: E Data Dictionary (DD) Reference: Data Dictionary (DD) Reference: Yalue Data Dictionary (DD) Reference: 1 DD Name: HYDRO Code: CATTSS_1 Data accepted: 2010-08-11 Name: IMO - adopted Dictinition: Code:	Attribute	Catego	bry of traffic separation scheme		
Value Type: E Data Dictionary (DD) Reference: DD Name: DD Name: HYDRO Date accepted: 2010-08-11 Definition: Definition: Definition: Definition: Value Data Dictionary (DD) Reference Date accepted: Code: CATTSS_1 Date accepted: 2010-08-11 1 DD Name: HYDRO Code: CATTSS_1 Date accepted: 2010-08-11 Name: IMO - adopted Image: IMO - adopted Image: Date accepted: 2010-08-11	Acronym:	CATTS	S	Code:	67
Data Dictionary (DD) Reference: DD Name: HYDRO Definition: Enumerations: Value Data Dictionary (DD) Reference 1 DD Name: HYDRO Code: CATTSS_1 Date accepted: 2010-08-11	Use Type:	F			
DD Name: HYDRO Definition: Enumeration: Value Data Dictionary (DD) Reference 1 DD Name: HYDRO Code: CATTSS_1 Date accepted: 2010-08-11 Name: IMO - adopted	Value Type:	Е			
DD Name: HYDRO Definition: Enumeration: Value Data Dictionary (DD) Reference 1 DD Name: HYDRO Code: CATTSS_1 Date accepted: 2010-08-11 Name: IMO - adopted					
Definition: Enumerations: Value Data Dictionary (DD) Reference 1 DD Name: HYDRO Code: CATTSS_1 Date accepted: 2010-08-11 Name: IMO - adopted	Data Diction	ary (DD) Re	eference:		
Enumerations: Value Data Dictionary (DD) Reference 1 DD Name: HYDRO Code: CATTSS_1 Date accepted: 2010-08-11 Name: IMO - adopted	DD Name:	HYDRO	Date accepted: 2010-08-11		
Value Data Dictionary (DD) Reference 1 DD Name: HYDRO Code: CATTSS_1 Date accepted: 2010-08-11 Name: IMO - adopted	Definition:				
Value Data Dictionary (DD) Reference 1 DD Name: HYDRO Code: CATTSS_1 Date accepted: 2010-08-11 Name: IMO - adopted					
Value Data Dictionary (DD) Reference 1 DD Name: HYDRO Code: CATTSS_1 Date accepted: 2010-08-11 Name: IMO - adopted	Enumeratior	าร:			
1 DD Name: HYDRO Code: CATTSS_1 Date accepted: 2010-08-11 Name: IMO - adopted					
Name: IMO - adopted	Value	Data Dictio	nary (DD) Reference		
	1	DD Name:	HYDRO Code: CATTSS_1 Date accepted: 2010-08-11		
Definition: a defined Traffic Separation Scheme that has been adopted as an IMO routing measure.		Name:	IMO - adopted		
		Definition:	a defined Traffic Separation Scheme that has been adopted as an IMO routing m	neasure.	
2 DD Name: HYDRO Code: CATTSS_2 Date accepted: 2010-08-11	2	DD Name:	HYDRO Code: CATTSS 2 Date accepted: 2010-08-11		
Name: not IMO - adopted			- '		
Definition: a defined Traffic Separation Scheme that has not been adopted as an IMO routing measure.				ng measure.	

Attribute	Catego	y of vegetation					
Acronym:	CATVE	3				Code:	68
Use Type:	F						
Value Type:	: L						
Data Dictior	nary (DD) R	erence:					
DD Name:	HYDRO	Date accepted:	2000-11-01				
Definition:							
<u>Enumeratio</u>	<u>ns:</u>						
Value	Data Dictio	ary (DD) Reference					
6	DD Name:	HYDRO Code: CAT	VEG_6	Date accepted:	2000-11-01		
	Name:	wood in general (inc mixed	d wood)				
	Definition:	growing trees densely occ	cupying a tract of	land. (The Concis	e Oxford Dictionary)		
13	DD Name:	HYDRO Code: CAT	VEG_13	Date accepted:	2000-11-01		
	Name:	tree in general					
	Definition:	a woody perennial plant, ł	naving a self supp	oorting main stem	or trunk.		
11	DD Name:	HYDRO Code: CA1	VEG_11	Date accepted:	2000-11-01		
	Name:	reed	—	·			
	Definition:	any of various water or ma	arsh plants with a	firm stem			
		-					

Attribute	Category of water turbulence		
Acronym:	CATWAT	Code:	69
Use Type:	F		
Value Type:	L		
Data Dictiona	ry (DD) Reference:		
DD Name:	HYDRO Date accepted: 2000-11-01		
Definition:	Category of water turbulence		
Enumerations	<u>:</u>		
Value D	ata Dictionary (DD) Reference		
6 D	D Name: IENC Code: CATWAT_6 Date accepted: 2014-07-11		
Ν	ame: under water turbulence		
D	efinition:		

Attribute	Catego	ory of weed/ke	þ						
Acronym:	CATW	ED						Code:	70
Use Type:	F								
Value Type	:: L								
Data Dictio	nary (DD) R	eference:							
DD Name:	HYDRO	Date	e accep	ted: 2000-11	-01				
Definition:	Category	of week/kelp							
Enumeratio	ons:								
Value	Data Dictio	onary (DD) Ref	erence						
1	DD Name:	HYDRO	Code:	CATWED_1		Date accepted:	2000-11-01		
	Name:	kelp							
		es long, that cli	ng to ro	ck. Gas filled b	ubbles o	h no roots, it is ar on fronds act as f	•		•
	the surface	e. (Earth Sciend	ces Ref	erences, Mary	McNeil)				
2	DD Name:	HYDRO	Code:	CATWED_2		Date accepted:	2000-11-01		
	Name:	sea weed							
	Definition: called sea	•		arine plants of t laritime Diction	-	e class which gro Edition)	w in long narrow	v ribbons. Also	
3	DD Name:	HYDRO	Code:	CATWED_3		Date accepted:	2000-11-01		
	Name:	sea grass							
	Definition: 32, 5th Edi	any grasslike tion, 4565)	e marine	e alga. Eelgrass	s is one	of the best knowr	n seagrasses. (I	HO Dictionary,	S-
4	DD Name:	HYDRO	Code:	CATWED_4		Date accepted:	2000-11-01		
	Name:	sargasso							
	Definition: Dictionary,	a certain type S-32, 5th Edit			e genera	lly, a large floatin	g mass of this s	ea weed. (IHC)

Attribute	Catego	bry of wreck		
Acronym:	CATW	RK	Code:	71
Use Type:	F			
Value Type	: Е			
Data Diction	nary (DD) R	eference:		
DD Name: Definition:	HYDRO	Date accepted: 2000-11-01		
<u>Enumeratio</u>	ons:			
Value	Data Dictio	nary (DD) Reference		
1	DD Name:	HYDRO Code: CATWRK_1 Date accepted: 2000-11-01		
	Name:	non-dangerous wreck		
	Definition:	a wreck which is not considered to be dangerous to surface navigation.		
2	DD Name:	HYDRO Code: CATWRK_2 Date accepted: 2000-11-01		
	Name:	dangerous wreck		
	Definition:	a wreck which is considered to be dangerous to surface navigation.		
3	DD Name:	HYDRO Code: CATWRK_3 Date accepted: 2000-11-01		
	Name:	distributed remains of wreck		
	Definition: anchoring,	(foul ground) an area over which it is safe to navigate but which should be avoid taking the ground or ground fishing. (IHO Chart Specifications, M-4)	led for	
4	DD Name:	HYDRO Code: CATWRK_4 Date accepted: 2000-11-01		
	Name:	wreck showing mast/masts		
	Definition:	wreck of which only the mast(s) is visible at the sounding datum indicated.		
5	DD Name:	HYDRO Code: CATWRK_5 Date accepted: 2000-11-01		
	Name:	wreck showing any portion of hull or superstructure		
	Definition: indicated.	wreck of which any portion of the hull or superstructure is visible at the sounding	g datum	

Attribute	Catego	bry of zone of confidence in data		
Acronym:	CATZO	C	Code:	72
Use Type:	F			
Value Type	e: E			
Data Dictic	onary (DD) R	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeratio	ons:			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	HYDRO Code: CATZOC_1 Date accepted: 2000-11-01		
	Name:	zone of confidence A1		
	Definition:			
2	DD Name:	HYDRO Code: CATZOC_2 Date accepted: 2000-11-01		
	Name:	zone of confidence A2		
	Definition:			
3	DD Name:	HYDRO Code: CATZOC_3 Date accepted: 2000-11-01		
	Name:	zone of confidence B		
	Definition:			
4	DD Name:	HYDRO Code: CATZOC_4 Date accepted: 2000-11-01		
	Name:	zone of confidence C		
	Definition:			
5	DD Name:	HYDRO Code: CATZOC_5 Date accepted: 2000-11-01		
	Name:	zone of confidence D		
	Definition:			
6	DD Name:	HYDRO Code: CATZOC_6 Date accepted: 2000-11-01		
	Name:	zone of confidence U (data not assessed)		
	Definition:			

Attribute	Colour							
Acronym: Use Type: Value Typ		R					Code:	75
Data Dictio	onary (DD) Re : HYDRO		te accep	ted: 2000-11-01				
<u>Enumerati</u>	ions:							
Value	Data Diction	ary (DD) Re	ference					
1	DD Name: Name: Definition:	HYDRO white	Code:	COLOUR_1	Date accepted:	2000-11-01		
2	DD Name: Name: Definition:	HYDRO black	Code:	COLOUR_2	Date accepted:	2000-11-01		
3	DD Name: Name: Definition:	HYDRO red	Code:	COLOUR_3	Date accepted:	2000-11-01		
4	DD Name: Name: Definition:	HYDRO green	Code:	COLOUR_4	Date accepted:	2000-11-01		
5	DD Name: Name: Definition:	HYDRO blue	Code:	COLOUR_5	Date accepted:	2000-11-01		
6	DD Name: Name: Definition:	HYDRO yellow	Code:	COLOUR_6	Date accepted:	2000-11-01		

Value	Data Diction	nary (DD) Ref	erence			
7	DD Name: Name: Definition:	HYDRO grey	Code:	COLOUR_7	Date accepted:	2000-11-01
8	DD Name: Name: Definition:	HYDRO brown	Code:	COLOUR_8	Date accepted:	2000-11-01
9	DD Name: Name: Definition:	HYDRO amber	Code:	COLOUR_9	Date accepted:	2000-11-01
10	DD Name: Name: Definition:	HYDRO violet	Code:	COLOUR_10	Date accepted:	2000-11-01
11	DD Name: Name: Definition:	HYDRO orange	Code:	COLOUR_11	Date accepted:	2000-11-01
12	DD Name: Name: Definition:	HYDRO magenta	Code:	COLOUR_12	Date accepted:	2000-11-01
13	DD Name: Name: Definition:	HYDRO pink	Code:	COLOUR_13	Date accepted:	2000-11-01

Attribute	Colour	pattern						
Acronym:	COLPA	λТ					Code:	76
Use Type:	F							
Value Type	e: L							
Data Dictio	nary (DD) R	eference:						
DD Name:	HYDRO	Date	e accept	ted: 2000-11-01				
Definition:								
Enumeratic	ons:							
Value	Data Dictio	nary (DD) Ref	erence					
1	DD Name:	HYDRO	Code:	COLPAT_1	Date accepted:	2000-11-01		
	Name:	horizontal str	ipes					
	Definition:	straight band	ds or stri	pes of differing colours	s painted horizont	ally.		
2	DD Name:	HYDRO	Code:	COLPAT_2	Date accepted:	2000-11-01		
	Name:	vertical stripe	es					
	Definition:	straight band	ds or stri	pes of differing colours	s painted vertically	Ι.		
3	DD Name:	HYDRO	Code:	COLPAT_3	Date accepted:	2000-11-01		
	Name:	diagonal strip	bes					
	Definition:	straight band	ds or stri	pes of differing colours	s painted diagonal	lly (ie not horizontally	y or vertical	ly).
4	DD Name:	HYDRO	Code:	COLPAT_4	Date accepted:	2000-11-01		
	Name:	squared						
	Definition: a chess or			checker plate, where a attern may be straight o		re used to create squ	uares simila	ır to
5	DD Name:	HYDRO	Code:	COLPAT_5	Date accepted:	2000-11-01		
	Name:	stripes (direc	tion unk	nown)				
	Definition:	straight band	ds or stri	pes of differing colours	s painted in an un	known direction.		
6	DD Name:	HYDRO	Code:	COLPAT_6	Date accepted:	2000-11-01		
	Name:	border stripe						

Value Data Dictionary (DD) Reference

Definition: a band or stripe of colour which is displayed around the outer edge of the object, which may also form a border to an inner pattern or plain colour.

Attribute	Communication channel		
Acronym:	СОМСНА	Code:	77
Use Type:	F		
Value Type:	S		
Value Type:	S		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A channel number assigned to a specific radio frequency, frequencies or frequency band.

A				
Attribute	Conditi	ION		
Acronym:	COND	TN	Code:	81
Use Type:	F			
Value Typ	e: E			
Data Dictie	onary (DD) R	eference:		
DD Name:	HYDRO	Date accepted: 2010-11-16		
Definition:				
Enumerati	ons:			
Value	Data Dictio	nary (DD) Reference		
1	DD Name:	HYDRO Code: CONDTN_1 Date accepted: 2010-11-16		
	Name:	under construction		
	Definition:	a structure that is in the process of being built.		
2	DD Name:	HYDRO Code: CONDTN_2 Date accepted: 2010-11-16		
	Name:	ruined		
	Definition: damaged s	a structure in a decayed or deteriorated condition resulting from neglect or dis structure in need of repair.(IHO Dictionary, S-32, 5th Edition, 4456)	use, or a	
3	DD Name:	HYDRO Code: CONDTN_3 Date accepted: 2010-11-16		
	Name:	under reclamation		
	Definition: material.	an area of the sea that is being reclaimed as land, usually by the dumping of ϵ	earth and othe	ər
4	DD Name:	HYDRO Code: CONDTN_4 Date accepted: 2010-11-16		
	Name:	wingless		
	Definition:	a windmill or windmotor from which the turbine blades are missing.		
5	DD Name:	HYDRO Code: CONDTN_5 Date accepted: 2010-11-16		
	Name:	planned construction		
	Definition [.]	an area where a future construction is planned		

Attribute	Conspi	icuous, radar		
Acronym:	CONR	AD	Code:	82
Use Type:	F			
Value Type	: Е			
Data Dictio	nar <u>y (DD) R</u>	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeratio	ons:			
Value	Data Dictio	nary (DD) Reference		
1	DD Name:	HYDRO Code: CONRAD_1 Date accepted: 2000-11-01		
	Name:	radar conspicuous		
	Definition:		tion, 4142)	
2	DD Name:	HYDRO Code: CONRAD_2 Date accepted: 2000-11-01		
2	Name:	not radar conspicuous		
	Definition:	an object which does not return a particularly strong radar echo.		
_				
3	DD Name:			
	Name:	radar conspicuous (has radar reflector)		
	Definition:	an object which returns a strong radar echo, having a radar reflector.		

Attribute	Consp	icuous, visually						
Acronym:	CONV	IS					Code:	83
Use Type:	F							
Value Type	e: E							
Data Dictio	nary (DD) F	eference:						
DD Name:	DD Name: HYDRO Date accepted: 2000-11-01							
Definition:								
Enumeratio	ons:							
Value	Data Dictio	onary (DD) Refe	erence					
1	DD Name:	HYDRO	Code:	CONVIS_1	Date accepted:	2000-11-01		
	Name:	visually consp	oicuous					
	Definition:		•	ject either natural or a	artificial which is d	istinctly and notably	visible from	
	seaward. (IHO Dictionary,	5-32, 51	in Edition, 984)				
2	DD Name:			CONVIS_2	Date accepted:	2000-11-01		
	Name:	not visually co	onspicuo	pus				
	Definition:	an object whi	ch is visi	ible from seaward, bu	it is not conspicuo	ous.		

Attribute	Current velocity		
Acronym:	CURVEL	Code:	84
Use Type:	F		
Value Type:	F		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: Current velocity

Attribute	Date end		
Acronym:	DATEND	Code:	85
Use Type:	F		
Value Type:	S		

DD Name:	HYDRO	Date accepted:	2000-11-01	

Definition: The latest date on which an object (e.g., a buoy) will be present.

Attribute	Date start		
Acronym:	DATSTA	Code:	86
Use Type:	F		
Value Type:	S		

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: The earliest date on which an object (e.g., a buoy) will be present.

Attribute	Depth range value 1		
Acronym:	DRVAL1	Code:	87
Use Type:	F		
Value Type:	F		

HYDRO	Date accepted:	2000-11-01
	HYDRO	HYDRO Date accepted:

Definition: The minimum (shoalest) value of a depth range.

Attribute	Depth range value 2		
Acronym:	DRVAL2	Code:	88
Use Type:	F		
Value Type:	F		

DD Name: HYD	DRO	Date accepted:	2000-11-01
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Definition: The maximum (deepest) value of a depth range.

Attribute	Elevation		
Acronym:	ELEVAT	Code:	90
Use Type:	F		
Value Type:	F		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The altitude of the ground level of an object, measured from a specified vertical datum.

Attribute	Exhibit	ion condition (of light					
Acronym:	EXCLI ⁻	т					Code:	92
Use Type:	F							
Value Type	e: E							
Data Dictic	onary (DD) R	eference:						
DD Name:	HYDRO	Dat	e accep	ted: 2000-11-01				
Definition:								
<u>Enumeration</u>	ons:							
Value	Data Dictio	nary (DD) Rei	ference					
1	DD Name:	HYDRO	Code:	EXCLIT_1	Date accepted:	2000-11-01		
	Name:	light shown v	without o	change of character				
	Definition: M-4	a light show	n throug	hout the 24 hours w	vithout change of cha	aracter. IHO Chart	Specification	IS,
2	DD Name:	HYDRO	Code:	EXCLIT_2	Date accepted:	2000-11-01		
	Name:	daytime light	t					
	Definition:	a light which	is only	exhibited by day.				
3	DD Name:	HYDRO	Code:	EXCLIT_3	Date accepted:	2000-11-01		
	Name:	fog light						
	Definition:	a light which	ı is exhit	pited in fog or condit	tions of reduced visit	pility.		
4	DD Name:	HYDRO	Code:	EXCLIT_4	Date accepted:	2000-11-01		
	Name:	night light						
	Definition:	a light which	is only	exhibited at night.				

Attribute	Exposi	ition of sounding		
Acronym:	EXPS	OU	Code:	93
Use Type:	F			
Value Type:	Е			
Data Dictiona	ry (DD) R	eference:		
DD Name: I	HYDRO	Date accepted: 2010-08-12		
Definition: I	ndicates	objects with a 'value of sounding' not within the range of depth of the surrounding o	lepth area.	
-				
Enumerations	<u>):</u>			
Value D	ata Dictio	onary (DD) Reference		
1 D	D Name:	HYDRO Code: EXPSOU_1 Date accepted: 2010-08-12		
Ν	ame:	within the range of depth of the surrounding depth area		
D	efinition:	the depth corresponds to the depth range of the surrounding depth area. i.e. the	depth is not	t
S	hoaler tha	an the minimum depth of the surrounding depth area or deeper than the maximum	•	
S	urroundin	g depth area.		
2 D	D Name:	HYDROCode:EXPSOU_2Date accepted:2010-08-12		
Ν	ame:	shoaler than the range of depth of the surrounding depth area		
D	efinition:	the depth is shoaler than the minimum depth of the surrounding depth area.		
3 D	D Name:	HYDRO Code: EXPSOU_3 Date accepted: 2010-08-12		
N	ame:	deeper than the range of depth of the surrounding depth area		
D	efinition:	the depth is deeper than the maximum depth of the surrounding depth area.		

[
Attribute	Functio	on						
Acronym:	FUNC ⁻	TN					Code:	94
Use Type:	F							
Value Type	e: L							
Data Dictio	onary (DD) R	eference:						
DD Name:			e accep	ted: 2000-11-01				
Definition:								
<u>Enumerati</u>	ons:							
	<u>0110.</u>							
Value	Data Dictio	onary (DD) Re	ference					
2	DD Name:	HYDRO	Code:	FUNCTN_2	Date accepted:	2000-11-01		
	Name:	harbour-mas	ster's off	ice				
	Definition: harbour fee				harge of mooring and 32, 5th Edition, 2191	-	collecting	
3	DD Name:	HYDRO	Code:	FUNCTN_3	Date accepted:	2000-11-01		
	Name:	custom offic	e					
	Definition:	an office wh	ich is ch	arged with enforci	ng customs regulatior	NS.		
4	DD Name:	HYDRO	Code:	FUNCTN_4	Date accepted:	2000-11-01		
	Name:	health office						
	Definition:			•	ministration of health	laws and sanitary ins	pections.	
	(adapted fr	om The New	Shorter	Oxford English Dic	tionary, 1993)			
5	DD Name:	HYDRO	Code:	FUNCTN_5	Date accepted:	2000-11-01		
	Name:	hospital						
	Definition: (The New \$			blishment providin n Dictionary, 1993)	g medical or surgical	treatment for the ill o	r wounded.	
6	DD Name:	HYDRO	Code:	FUNCTN_6	Date accepted:	2000-11-01		
	Name:	post office						
	Definition: transmissic	•	•		nisation responsible p orter Oxford English D	•	tion,	

Value	Data Dictic	onary (DD) Re	ference			
7	DD Name:	HYDRO	Code:	FUNCTN_7	Date accepted:	2000-11-01
	Name:	hotel				
	Definition: provided w 1993)					nd, where paying visitors are ter Oxford English Dictionary,
8	DD Name:	HYDRO	Code:	FUNCTN_8	Date accepted:	2000-11-01
	Name:	railway statio	on			
	Definition: Oxford Eng	a building w glish Dictionar	•		e, load, discharge	and depart. (The New Shorter
9	DD Name:	HYDRO	Code:	FUNCTN_9	Date accepted:	2000-11-01
	Name:	police station	n			
	Definition:	the office of	the loca	l police force.		
10	DD Name:	HYDRO	Code:	FUNCTN_10	Date accepted:	2000-11-01
	Name:	water-police	station			
	Definition:	the headqua	arters of	a local water-police fo	rce.	
11	DD Name:	HYDRO	Code:	FUNCTN_11	Date accepted:	2000-11-01
	Name:	pilot office				
	Definition: (IHO Dictic	the office or onary, S-32, 5t			ce where the serv	rices of a pilot may be obtained.
12	DD Name:	HYDRO	Code:	FUNCTN_12	Date accepted:	2000-11-01
	Name:	pilot lookout				
	Definition: the coast.			e on shore from which 5th Edition, 2917)	personnel keep v	vatch upon events at sea or along
13	DD Name:	HYDRO	Code:	FUNCTN_13	Date accepted:	2000-11-01
	Name:	bank office				
		an office for ford English D	•	•	nge or issue of mo	oney. (adapted from The New
14	DD Name:	HYDRO	Code:	FUNCTN_14	Date accepted:	2000-11-01
	Name:	headquarter	s for dist	trict control		
	Definition: administrat	•	of an ex	cecutive officer (directo	or, manager, etc.)	with responsibility for an

Value	Data Dictionar	ry (DD) Refe	erence			
15	DD Name: H	YDRO	Code:	FUNCTN_15	Date accepted:	2000-11-01
	Name: tra	ansit shed/w	varehous	se		
	Definition: a Oxford English	• •		building for storage o	f wares or goods.	(adapted from The New Shorter
16	DD Name: H	YDRO	Code:	FUNCTN_16	Date accepted:	2000-11-01
	Name: fa	ctory				
	Definition: a English Dictior	-	ouilding	s with equipment for m	anufacturing; a w	orkshop. (The New Shorter Oxford
17	DD Name: H	YDRO	Code:	FUNCTN_17	Date accepted:	2000-11-01
	Name: po	ower station				
		steam, chem	ical or r	nuclear energy) into ele	•	rsion of some form of energy (such IcGraw-Hill Dictionary of Scientific
18	DD Name: H	YDRO	Code:	FUNCTN_18	Date accepted:	2000-11-01
	Name: ac	dministrative	•			
	Definition: a Dictionary, 199	-	the mar	nagement of affairs. (a	dapted from The I	New Shorter Oxford English
19	DD Name: H	YDRO	Code:	FUNCTN_19	Date accepted:	2000-11-01
	Name: ec	ducational fa	acility			
	Definition: a	building cor	ncerned	with education (eg. sc	hool, college, univ	versity, etc.)
20	DD Name: H	YDRO	Code:	FUNCTN_20	Date accepted:	2000-11-01
	Name: ch	nurch				
	Definition: a	building for	public C	Christian worship. (The	New Shorter Oxf	ord English Dictionary, 1993)
21	DD Name: H	YDRO	Code:	FUNCTN_21	Date accepted:	2000-11-01
	Name: ch	napel				
		•		worship other than a p The New Shorter Oxfor		r church, especially one attached ary, 1993)
22	DD Name: H	YDRO	Code:	FUNCTN_22	Date accepted:	2000-11-01
	Name: te	mple				
	Definition: a 1993)	building for	public J	ewish worship. (adapt	ed from The New	Shorter Oxford English Dictionary,

Value	Data Dictic	onary (DD) Reference			
23	DD Name:	HYDRO Code:	FUNCTN_23	Date accepted:	2000-11-01
	Name:	pagoda			
	Definition: 1993)	a Hindu or Buddhis	temple or sacred build	ding. (The New Sh	orter Oxford English Dictionary,
24	DD Name:	HYDRO Code:	FUNCTN_24	Date accepted:	2000-11-01
	Name:	shinto shrine			
	Definition: 1993)	a building for public	Shinto worship. (adap	ted from The New	Shorter Oxford English Dictionary,
25	DD Name:	HYDRO Code:	FUNCTN_25	Date accepted:	2000-11-01
	Name:	buddhist temple			
	Definition:	see pagoda.			
26	DD Name:	HYDRO Code:	FUNCTN_26	Date accepted:	2000-11-01
	Name:	mosque			
	Definition:	a Muslim place of w	orship. (The New Sho	rter Oxford Englisł	n Dictionary, 1993)
27	DD Name:	HYDRO Code:	FUNCTN_27	Date accepted:	2000-11-01
	Name:	marabout			
	Definition: Dictionary,	Ŭ	e burial place of a Mus	lim holy man. (The	e New Shorter Oxford English
28	DD Name:	HYDRO Code:	FUNCTN_28	Date accepted:	2000-11-01
	Name:	lookout			
	Definition: Edition,291		on events at sea or ald	ong the coast. (ada	apted from IHO Dictionary, S-32,5th
29	DD Name:	HYDRO Code:	FUNCTN_29	Date accepted:	2000-11-01
	Name:	communication			
	Definition: Geographi	transmitting and/or c Information Standar	-	mmunication signa	als. (adapted from Digital
30	DD Name:	HYDRO Code:	FUNCTN_30	Date accepted:	2000-11-01
	Name:	television			
	Definition:	broadcast of televis	ion signals.		
31	DD Name:	HYDRO Code:	FUNCTN_31	Date accepted:	2000-11-01
	Name:	radio			

Value	Data Dictic	ary (DD) Reference
	Definition:	broadcast of radio signals.
32	DD Name:	HYDRO Code: FUNCTN_32 Date accepted: 2000-11-01
	Name:	adar
	Definition: detecting, l	a method, system or technique of using beamed, reflected, and timed radio waves for cating, or tracking objects, and for measuring altitudes. (IHO Dictionary, S-32, 5th Edition,4158)
33	DD Name:	HYDRO Code: FUNCTN_33 Date accepted: 2000-11-01
	Name:	ight support
	Definition:	supporting a light
34	DD Name:	HYDRO Code: FUNCTN_34 Date accepted: 2000-11-01
	Name:	nicrowave
	Definition:	broadcasting and receiving signals using microwaves.
35	DD Name:	HYDRO Code: FUNCTN_35 Date accepted: 2000-11-01
	Name:	cooling
	Definition:	dissipating heat.
36	DD Name:	HYDRO Code: FUNCTN_36 Date accepted: 2000-11-01
	Name:	observation
	Definition: maintainec	a place from which the surroundings can be observed but at which a watch is not habitually (adapted from IHO Dictionary, S-32, 5th Edition,2917)
37	DD Name:	HYDRO Code: FUNCTN_37 Date accepted: 2000-11-01
	Name:	ime ball
	Definition:	a visual time signal in form of a ball
38	DD Name:	HYDRO Code: FUNCTN_38 Date accepted: 2000-11-01
	Name:	clock
	Definition:	visual time signal. (adapted from S-32, 5th Edition, 5536)
39	DD Name:	HYDRO Code: FUNCTN_39 Date accepted: 2000-11-01
	Name:	control
	Definition: DIGEST)	used to control the flow of air, rail, or marine traffic. (Digital Geographic Information Standard -
40	DD Name:	HYDRO Code: FUNCTN_40 Date accepted: 2000-11-01
	Name:	airship mooring

Value	Data Dictio	ary (DD) Reference					
	Definition: DIGEST)	a facility to secure an airship. (adapted from Digital Geographic Information Standard -					
41	DD Name:	HYDRO	Code:	FUNCTN_41	Date accepted:	2000-11-01	
	Name:	stadium					
	Definition:	a large usually unroofed building with tiers of seats for spectators					
42	DD Name:	HYDRO	Code:	FUNCTN_42	Date accepted:	2000-11-01	
	Name:	bus station					
	Definition:	a location at which buses arrive and from which they depart.					

Attribute	Height		
Acronym:	HEIGHT	Code:	95
Use Type:	F		
Value Type:	F		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The value of the vertical distance to the highest point of the object, measured from a specified vertical datum.

Attribute	Horizontal Accuracy		
Acronym:	HORACC	Code:	97
Use Type:	F		
Value Type:	F		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The best estimate of the horizontal accuracy of horizontal clearance and distances.

Attribute	Horizontal clearance				
Acronym:	HORCLR	Code:	98		
Use Type:	F				
Value Type:	F				

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The width of an object, such as a canal or a tunnel, which is available for safe navigation. This may, or may not, be the same as the total physical width of the object.

Attribute	Horizontal length		
Acronym:	HORLEN	Code:	99
Use Type:	F		
Value Type:	F		
Data Dictiona	y (DD) Reference:		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A measurement of the longer of two linear axis. (Digital Geographic Information Working Group -DGIWG, Oct.87)

Attribute	Horizontal width		
Acronym:	HORWID	Code:	100
Use Type:	F		
Value Type:	F		
Data Dictionar	ry (DD) Reference:		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: A measurement of the shorter of two linear axis. (Digital Geographic Information Working Group -DGIWG, Oct.87)

Attribute	Information		
Acronym:	INFORM	Code:	102
Use Type:	F		
Value Type:	т		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: Textual information about the object.

Acronym:NINFOMCode:300Use Type:NValue Type:T	Attribute	Information in national language		
	Acronym:	NINFOM	Code:	300
Value Type: T	Use Type:	Ν		
	Value Type:	Т		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: Textual information in national language characters

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Attribute	Jurisdio	ction		
Acronym:	JRSDT	N	Code:	103
Use Type:	F			
Value Type:	Е			
Data Dictiona	ary (DD) R	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeration	s:			
	<u></u>			
Value I	Data Dictio	nary (DD) Reference		
1 [DD Name:	HYDRO Code: JRSDTN_1 Date accepted: 2000-11-01		
1	Name:	international		
ſ	Definition:	involving more than one country; covering more than one national area.		
2 [DD Name:	HYDRO Code: JRSDTN_2 Date accepted: 2000-11-01		
1	Name:	national		
I	Definition:	an area administered or controlled by a single nation.		
3 [DD Name:	HYDRO Code: JRSDTN_3 Date accepted: 2000-11-01		
	Name:	national sub-division		
	Definition:			
I				

Attribute	Light c	haracteristic							
Acronym:	LITCH	R						Code:	107
Use Type:	F								
Value Type	e: E								
Data Dictio	<u>nary (DD) R</u>	eference:							
DD Name:	HYDRO	Date	e accept	ted: 2000-1	1-01				
Definition:									
<u>Enumeratic</u>	ons:								
Value	Data Dictio	nary (DD) Ref	erence						
1	DD Name:	HYDRO	Code:	LITCHR_1		Date accepted:	2000-11-01		
	Name:	fixed							
	Definition: and colour.	a signal light (IHO Dictiona			•	ny given direction,	with constant lumi	inous intens	sity
2	DD Name:	HYDRO	Code:	LITCHR_2		Date accepted:	2000-11-01		
	Name:	flashing							
	Definition: duration of Edition, 27	darkness and	-			• ·	is clearly shorter th n. (IHO Dictionary,		al
3	DD Name:	HYDRO	Code:	LITCHR_3		Date accepted:	2000-11-01		
	Name:	long-flashing							
	Definition: repeated. (a flashing lig IHO Dictionary		-		t less than two se	conds duration is r	egularly	
4	DD Name:	HYDRO	Code:	LITCHR_4		Date accepted:	2000-11-01		
	Name:	quick-flashing	g						
	Definition: Dictionary,	a light exhibi S-32, 5th Edit	-	•	on very ra	apid regular alterr	ations of light and	darkness. (IHO
7	DD Name:	HYDRO	Code:	LITCHR_7		Date accepted:	2000-11-01		
	Name:	isophased							
	Definition:	a light with a	II duratio	ons of light ar	nd darkne	ss equal. (IHO Di	ctionary, S-32, 5th	Edition, 27	79)

Value	Data Dictio	nary (DD) Re	ference			
9	DD Name:	HYDRO	Code:	LITCHR_9	Date accepted:	2000-11-01
	Name:	interrupted o	quick-flas	shing		
	Definition: constant ar	• •		n the sequence of flas Dictionary, S-32, 5th	•	by regularly repeated eclipses of
5	DD Name:	HYDRO	Code:	LITCHR_5	Date accepted:	2000-11-01
	Name:	very quick-fl	ashing			
	Definition: less than 10	a flashing liq 60 flashes pe	-		ed at a rate of not	less than 80 flashes per minute but
6	DD Name:	HYDRO	Code:	LITCHR_6	Date accepted:	2000-11-01
	Name:	ultra quick fl	ashing			
	Definition:	a flashing li	ght in wh	ich flashes are repeat	ed at a rate of not	less than 160 flashes per minute
8	DD Name:	HYDRO	Code:	LITCHR_8	Date accepted:	2000-11-01
	Name:	occulting				
	Definition: duration of	•	-	hich the total duration eclipses are of equal o	•	l is clearly longer than the total
10	DD Name:	HYDRO	Code:	LITCHR_10	Date accepted:	2000-11-01
	Name:	interrupted v	very quic	k-flashing		
	Definition: intervals by	a light in wh eclipses of lo			f light and darkne	ss are interrupted at regular
11	DD Name:	HYDRO	Code:	LITCHR_11	Date accepted:	2000-11-01
	Name:	interrupted u	ultra quic	k-flashing		
	Definition: intervals by	a light in wh v eclipses of lo		•) or more per mini	ute) are interrupted at regular
12	DD Name:	HYDRO	Code:	LITCHR_12	Date accepted:	2000-11-01
	Name:	morse				
	Definition: represent a	•	-	hich appearances of li ers in the Morse code	ght of two clearly	different durations are grouped to
13	DD Name:	HYDRO	Code:	LITCHR_13	Date accepted:	2000-11-01
	Name:	fixed/flash				
	Definition:					
28	DD Name:	HYDRO	Code:	LITCHR_28	Date accepted:	2000-11-01

Value	Data Dictic	onary (DD) Rei	ference			
	Name:	alternating				
	Definition: sequence	a signal ligh with a regular			ction, two or more	colours in a regularly repeated
14	DD Name:	HYDRO	Code:	LITCHR_14	Date accepted:	2000-11-01
	Name:	flash/long-fla	ish			
	Definition:					
15	DD Name:	HYDRO	Code:	LITCHR_15	Date accepted:	2000-11-01
	Name:	occulting/flas	sh			
	Definition:					
16	DD Name:	HYDRO	Code:	LITCHR_16	Date accepted:	2000-11-01
	Name:	fixed/long-fla	ash			
	Definition:					
17	DD Name:	HYDRO	Code:	LITCHR_17	Date accepted:	2000-11-01
	Name:	occulting alte	ernating			
	Definition:					
18	DD Name:	HYDRO	Code:	LITCHR_18	Date accepted:	2000-11-01
	Name:	long-flash al	ternating)		
	Definition:					
19	DD Name:	HYDRO	Code:	LITCHR_19	Date accepted:	2000-11-01
	Name:	flash alterna	ting			
	Definition:					
20	DD Name:	HYDRO	Code:	LITCHR_20	Date accepted:	2000-11-01
	Name:	group alterna	ating			
	Definition:					
25	DD Name:	HYDRO	Code:	LITCHR_25	Date accepted:	2000-11-01
	Name:	very quick-fla	ash plus	long-flash		
	Definition:					
26	DD Name:	HYDRO	Code:	LITCHR_26	Date accepted:	2000-11-01
	Name:	very quick-fla	ash plus	long-flash		

Value	Data Diction	ary (DD) Refe	erence			
	Definition:					
27	DD Name:	HYDRO	Code:	LITCHR_27	Date accepted:	2000-11-01
	Name:	ultra quick-fla	sh plus	long-flash		
	Definition:					
29	DD Name:	HYDRO	Code:	LITCHR_29	Date accepted:	2000-11-01
	Name:	fixed and alte	rnating	flashing		
	Definition:					

Attribute	Light v	isibility					
Acronym:	LITVIS	5				Code:	108
Use Type:	F						
Value Type	e: L						
Data Dictio	onary (DD) R	eference:					
DD Name:	HYDRO	Dat	e accep	ted: 2008-01-3 ²	1		
Definition:							
Enumorati	2001						
<u>Enumerati</u>	<u>JIIS.</u>						
Value	Data Dictio	onary (DD) Re	ference				
4	DD Name:	HYDRO	Code:	LITVIS_4	Date accepted:	2000-11-01	
	Name:	intensified					
	Definition: Seeschiffal	a light in a s hrt und Hydrog		,	as longer range than ot	her sectors). (Bundesamt für	
7	DD Name:		Code:	LITVIS_7	Date accepted:	2000-11-01	
I	Name:	obscured	0000.		Date accepted.	2000 11 01	
	Definition:		irc of a li	abt sector design	ated by its limiting bea	rings in which the light is not vi	isihla
				S-32, 5th Edition, 3			131016
8	DD Name:	HYDRO	Code:	LITVIS_8	Date accepted:	2000-11-01	
	Name:	partially obse	cured				
	Definition:	this value sp	ecifies t	hat parts of the se	ector are obscured.		
3	DD Name:	HYDRO	Code:	LITVIS_3	Date accepted:	2000-11-01	
	Name:	faint					
	Definition:		in the ap	parent intensity c	of a light which may occ	cur in the case of partial	
	obstruction	13.					

Attribute	Marks	navigational - System of		
Acronym:	MARS	YS	Code:	109
Use Type:	F			
Value Type:	Е			
Data Diction	ary (DD) R	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeratior	าร			
	<u>10.</u>			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	HYDRO Code: MARSYS_1 Date accepted: 2000-11-01		
	Name:	IALA A		
	Definition: system.	navigational aids conform to the International Association of Lighthouse Autho	orities - IALA	A
2	DD Name:	HYDRO Code: MARSYS_2 Date accepted: 2000-11-01		
	Name:	IALA B		
	Definition: system.	navigational aids conform to the International Association of Lighthouse Autho	orities - IALA	В

Attribute	Multiplicity of lights		
Acronym:	MLTYLT	Code:	110
Use Type:	F		
Value Type:	1		
Value Type:	I		

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DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The number of lights of identical character that exist as a co-located group.

Attribute	Nationality		
Acronym:	NATION	Code:	111
Use Type:	F		
Value Type:	S		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The nationality of the specific object.

Attribute	Natural	l surface				
Acronym:	NATSL	JR				Code: 113
Use Type:	F					
Value Type	:: L					
Data Dictio	nary (DD) Ro	eference:				
DD Name:	HYDRO	Dat	e accept	ted: 2008-01-31		
Definition:						
<u>Enumeratio</u>	ons:					
Value	Data Dictio	nary (DD) Ref	erence			
1	DD Name:	HYDRO	Code:	NATSUR_1	Date accepted:	2000-11-01
	Name:	mud				
	Definition:	soft, wet ear	th			
2	DD Name:	HYDRO	Code:	NATSUR_2	Date accepted:	2000-11-01
	Name:	clay				
	Definition:	(particles of	less tha	n 0.002 mm); stiff, stic	ky earth that beco	mes hard when baked.
3	DD Name:	HYDRO	Code:	NATSUR_3	Date accepted:	2000-11-01
	Name:	silt				
	Definition:	(particles of	0.002-0.	.0625 mm); when drie	d on hand will rub	off easily.
4	DD Name:	HYDRO	Code:	NATSUR_4	Date accepted:	2000-11-01
	Name:	sand				
	Definition:	(particles of	0.0625-2	2.0 mm); tiny grains o	f crushed or worn	rock.
5	DD Name:	HYDRO	Code:	NATSUR_5	Date accepted:	2000-11-01
	Name:	stone				
	Definition: rock mass.	-		ock fragments ranging 2, 5th Edition, 5059)	in size from pebbl	es and gravel to boulders or a large
6	DD Name:	HYDRO	Code:	NATSUR_6	Date accepted:	2000-11-01
	Name:	gravel				

Value	Data Dictio	Data Dictionary (DD) Reference				
	Definition:	(particles of 2.0-4.0 mm); si	mall stones with	coarse sand.		
7	DD Name:	HYDRO Code: NATS	SUR_7	Date accepted:	2000-11-01	
	Name:	pebbles				
	Definition:	(particles of 4.0-64.0 mm);	small stones ma	ade smooth and ro	ound by being rolled in water.	
8	DD Name:	HYDRO Code: NATS	SUR_8	Date accepted:	2000-11-01	
	Name:	cobbles				
	Definition:	(particles of 64.0-256.0 mm	i); stones worn i	ound and smooth	by water and used for paving.	
9	DD Name:	HYDRO Code: NATS	SUR_9	Date accepted:	2000-11-01	
	Name:	rock				
	Definition: occurring r 4415)	-	-	• •	t of the lithosphere. The natural IHO Dictionary, S-32, 5th Edition,	
11	DD Name:	HYDRO Code: NATS	SUR_11	Date accepted:	2000-11-01	
	Name:	lava				
	Definition: of the molt		-		stance that results from the cooling onary, S-32, 5th Edition, 2680)	
14	DD Name:	HYDRO Code: NATS	SUR_14	Date accepted:	2000-11-01	
	Name:	coral				
	Definition: 1061)	hard calcareous skeletons	of many tribes o	f marine polyps. (IHO Dictionary, S-32, 5th Edition,	
17	DD Name:	HYDRO Code: NATS	SUR_17	Date accepted:	2000-11-01	
	Name:	shells				
	Definition: Edition, 46		ter dwelling anir	mals. (adapted fro	m IHO Dictionary, S-32, 5th	
18	DD Name:	HYDRO Code: NATS	SUR_18	Date accepted:	2000-11-01	
	Name:	boulder				
	Definition: Edition, 52		er of 256 mm o	r larger. (adapted	from IHO Dictionary, S-32, 5th	

Attribute	Nature	of construction)					
Acronym:	NATCO	ON					Code:	112
Use Type:	F							
Value Type	e: L							
Data Dictic	onary (DD) R	eference:						
DD Name:	HYDRO	Date	accept	ted: 2000-11-01				
Definition:			-					
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Refe	erence					
1	DD Name:	HYDRO	Code:	NATCON_1	Date accepted:	2000-11-01		
	Name:	masonry						
	Definition:	constructed o	of brick	or stone.				
2	DD Name:	HYDRO	Code:	NATCON_2	Date accepted:	2000-11-01		
	Name:	concreted						
			oads, fo	ete, a material made o oundations, etc. (adap	-	•		
3	DD Name:	HYDRO	Code:	NATCON_3	Date accepted:	2000-11-01		
	Name:	loose boulder	S					
	Definition: waves or w	constructed fi ater turbulence		ge stones or blocks of	concrete, often pl	aced loosely for prot	tection aga	ainst
4	DD Name:	HYDRO	Code:	NATCON_4	Date accepted:	2000-11-01		
	Name:	hard surfaced	l					
	Definition: asphalt or o		vith a su	urface of hard materia	l, usually a term a	pplied to roads surfa	iced with	
5	DD Name:	HYDRO	Code:	NATCON_5	Date accepted:	2000-11-01		
	Name:	unsurfaced						
	Definition: material.	constructed w	vith no e	extra protection, usua	lly a term applied t	o roads not surfaced	d with a ha	rd

Value	Data Dictio	nary (DD) Ref	erence			
6	DD Name:	HYDRO	Code:	NATCON_6	Date accepted:	2000-11-01
	Name:	wooden				
	Definition:	constructed	from wo	od.		
7	DD Name:	HYDRO	Code:	NATCON_7	Date accepted:	2000-11-01
	Name:	metal				
	Definition:	constructed	from me	tal.		
8	DD Name:	HYDRO	Code:	NATCON_8	Date accepted:	2000-11-01
	Name:	glass reinfor	ced plas	tic (GRP)		
	Definition:	constructed	from a p	lastic material strengtl	nened with fibres o	of glass.
9	DD Name:	HYDRO	Code:	NATCON_9	Date accepted:	2000-11-01
	Name:	painted				
	Definition:	the application	on of pa	int to some other cons	truction or natural	feature.

Acronym:NATQUAUse Type:FValue Type:LData Diction Reference:DD Name:HYDRODate accepted:2000-11-01Definition:Nature of surface - qualifying termsColspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2" <th></th>	
Value Type: L <u>Data Dictionary (DD) Reference:</u> DD Name: HYDRO Date accepted: 2000-11-01 Definition: Nature of surface - qualifying terms <u>Enumerations:</u>	Code: 114
Data Dictionary (DD) Reference: DD Name: HYDRO Date accepted: 2000-11-01 Definition: Nature of surface - qualifying terms Enumerations:	
DD Name: HYDRO Date accepted: 2000-11-01 Definition: Nature of surface - qualifying terms Enumerations:	
DD Name: HYDRO Date accepted: 2000-11-01 Definition: Nature of surface - qualifying terms Enumerations:	
Definition: Nature of surface - qualifying terms	
Enumerations:	
Value Data Dictionary (DD) Reference	
1 DD Name: HYDRO Code: NATQUA_1 Date accepted: 2000-11-01	I
Name: Fine	
Definition: falls within the smallest size continuum for a particular nature of surface te	erm
2 DD Name: HYDRO Code: NATQUA_2 Date accepted: 2000-11-01]
Name: Medium	
Definition: falls within the moderate size continuum for a particular nature of surface	term
3 DD Name: HYDRO Code: NATQUA_3 Date accepted: 2000-11-01	l
Name: Coarse	
Definition: falls within the largest size continuum for a particular nature of surface ter	rm
4 DD Name: HYDRO Code: NATQUA_4 Date accepted: 2000-11-01	1
Name: Broken	
Definition: fractured or in pieces	

Attribute	Object class definition	
Acronym:	CLSDEF	Code: 18027
Use Type:	F	
Value Type:	Т	

DD Name:	HYDRO	Date accepted:	2015-01-01

Definition: Specifies the defining characteristics of a 'new object'.

Attribute	Object class name	
Acronym:	CLSNAM	Code: 18028
Use Type:	F	
Value Type:	т	

DD Name:	HYDRO	Date accepted:	2015-01-01
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Definition: Specifies the descriptive name of a 'new object' feature object class.

Attribute	Object name		
Acronym:	OBJNAM	Code:	116
Use Type:	F		
Value Type:	Т		

DD Name:	HYDRO	Date accepted:	2000-11-01
Definition	T 1 - 1 - 1 - 1 - 1	(

Definition: The individual name of an object.

Attribute	Object name in national language		
Acronym:	NOBJNM	Code:	301
Use Type:	Ν		
Value Type:	Т		

DD Name: HYDRO Date	accepted: 2000-11-01
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Definition: Name of object in national language characters

Attribute	Orientation		
Acronym:	ORIENT	Code:	117
Use Type:	F		
Value Type:	F		

DD Name:	HYDRO	Date accepted:	2000-11-01
DD Hamo.		Bale accepted.	2000 11 01

Definition: The angular distance measured from true north to the major axis of the object. (Digital Geographic Information Working Group -DGIWG, Oct.87)

Attribute	Periodic date end		
Acronym:	PEREND	Code:	118
Use Type:	F		
Value Type:	S		

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DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The end of the active period for a seasonal object (e.g. a buoy).

Attribute	Periodic date start		
Acronym:	PERSTA	Code:	119
Use Type:	F		
Value Type:	S		

Data Dictionary (DD) Reference:

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The start of the active period for a seasonal object (e.g. a buoy).

Attribute	Pictorial representation		
Acronym:	PICREP	Code:	120
Use Type:	F		
Value Type:	т		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: Indicates whether a pictorial representation of the object is available.

Attribute	Pilot district		
Acronym:	PILDST	Code:	121
Use Type:	F		
Value Type:	т		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The area within which a particular pilotage service operates.

Attribute	Pilot district in national language		
Acronym:	NPLDST	Code:	302
Use Type:	F		
Value Type:	Т		

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: Pilot district (c...): string of national language characters

Attribute	Positional Accuracy		
Acronym:	POSACC	Code:	401
Use Type:	F,S		
Value Type:	F		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The best estimate of the accuracy of a position. The expected input is the maximum of the two-dimensional error. The error is assumed to be positive and negative. The plus/minus character shall not be encoded.

Attribute	Produc	:t						
Acronym:	PROD	СТ					Code:	123
Use Type:	F							
Value Typ	e: L							
Data Dictio	onary (DD) R	eference:						
DD Name:	HYDRO	Dat	e accep	ted: 2000-11-01				
Definition:								
Enumerati	ons:							
Value	Data Dictio	nary (DD) Re	ference					
1	DD Name:	HYDRO	Code:	PRODCT_1	Date accepted:	2000-11-01		
	Name:	oil						
	Definition: storage tan		• •	d that will not disso Oxford Minidiction	•	petroleum based in th	ne context	of
2	DD Name:	HYDRO	Code:	PRODCT_2	Date accepted:	2000-11-01		
	Name:	gas						
	Definition: storage tan		•	rticles that can mov Oxford Minidiction		el substance in the co	ontext of	
3	DD Name:	HYDRO	Code:	PRODCT_3	Date accepted:	2000-11-01		
	Name:	water						
	Definition: from the O	a colourless xford Minidicti			that is a compound	of hydrogen and oxyg	gen. (adap	oted
4	DD Name:	HYDRO	Code:	PRODCT_4	Date accepted:	2000-11-01		
	Name:	stone						
	Definition:	a general te	rm for rc	ock fragments. (IHO	Dictionary, S-32, 5th	n Edition, 5059)		
5	DD Name:	HYDRO	Code:	PRODCT_5	Date accepted:	2000-11-01		
	Name:	coal						
	Definition: Edition)	a hard black	mineral	that is burned as f	uel. (adapted from th	e Oxford Minidictiona	ry, Third	

Value	Data Dictionary (DD) Reference							
6	DD Name:	HYDRO	Code:	PRODCT_6	Date accepted:	2000-11-01		
	Name:	ore						
	Definition: Third Editio		or miner	al from which metal is	obtained. (adapte	ed form the Oxford Minidictionary,		
7	DD Name:	HYDRO	Code:	PRODCT_7	Date accepted:	2000-11-01		
	Name:	chemicals						
	Definition: Minidiction	any substar ary, Third Edit		ned by or used in a ch	nemical process. (a	adapted from the Oxford		
8	DD Name:	HYDRO	Code:	PRODCT_8	Date accepted:	2000-11-01		
	Name:	drinking wat	er					
	Definition: Edition)	water that is	suitable	e for human consumpt	ion. (adapted from	n the Oxford Minidictionary, Third		
14	DD Name:	HYDRO	Code:	PRODCT_14	Date accepted:	2000-11-01		
	Name:	sand						
	Definition:	tiny grains o	of crushe	d or worn rock. (adapt	ted from the Oxfor	d Minidictionary, Third Edition)		
15	DD Name:	HYDRO	Code:	PRODCT_15	Date accepted:	2000-11-01		
	Name:	timber						
	Definition: Edition)	wood prepa	red for u	se in building or carpe	entry. (adapted fro	m the Oxford Minidictionary, Third		
17	DD Name:	HYDRO	Code:	PRODCT_17	Date accepted:	2000-11-01		
	Name:	scrap metal						
	Definition: Edition)	discarded m	netal suit	able for being reproce	ssed. (adapted fro	om the Oxford Minidictionary, Third		
21	DD Name:	HYDRO	Code:	PRODCT_21	Date accepted:	2000-11-01		
	Name:	cement						
	Definition: New World	a substance I Dictionary)	e made o	f powdered lime and o	clay, mixed with w	ater. (adapted from the Websters		
22	DD Name:	HYDRO	Code:	PRODCT_22	Date accepted:	2000-11-01		
	Name:	grain						
	Definition: (adapted fr			especially that of any c v World Dictionary)	ereal plant such a	s wheat, rice, corn, rye etc.		

Value	Data Dictionary (DD) Reference					
18	DD Name:	HYDRO	Code:	PRODCT_18	Date accepted:	2000-11-01
	Name:	liquified natu	ıral gas ((LNG)		
	Definition:	a compress	ed gas c	onsisting of flammable	e light hydrocarboi	ns and derived from natural gas.
19	DD Name:	HYDRO	Code:	PRODCT_19	Date accepted:	2000-11-01
	Name:	liquified petr	oleum g	as (LPG)		
	Definition: (adapted fr	a compresso om Websters	-	•	e light hydrocarboi	ns and derived from petroleum.

Attribute	Quality	of position				
Acronym:	QUAP	05			Code:	402
-		00			Code.	402
Use Type:	F,S					
Value Type	e: E					
Data Dictio	nary (DD) R	<u>eference:</u>				
DD Name:	HYDRO	Date ac	cepted: 2000-11	-01		
Definition:						
Enumeration	ons:					
Value	Data Dictio	onary (DD) Referen	ce			
4	DD Name:	HYDRO Co	de: QUAPOS_4	Date accepted:	2000-11-01	
	Name:	approximate				
	Definition:	a position that is	considered to be	less than third-order accu	racy, but is generally conside	red to
		0.5 metres of its co	orrect geographic	location. Also may apply t	to an object whose position de	
	not remain	fixed. (adapted fro	m IHO Dictionary	, S-32, 213, 3967, and IH	O Specifications, M-4, 424.1)	
10	DD Name:	HYDRO Co	de: QUAPOS_10	Date accepted:	2000-11-01	
	Name:	precisely known				
	Definition: object.	a position that is	of a known value,	such as the position of a	n anchor berth or other define	ed

Attribute	Quality	of sounding measu	rement					
Acronym:	QUAS	DU			Code: 125			
Use Type:	F							
Value Type	e: L							
Data Dictio	onary (DD) R	eference:						
DD Name:	HYDRO	Date acce	epted: 2000-11-01					
Definition:								
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Reference	<u>_</u>					
1	DD Name:		e: QUASOU_1	Date accepted:	2000-11-01			
	Name:	depth known	ort datum to the bottom	ia a known valua				
	Definition:	the depth nom cha	art datum to the bottom	is a known value.				
2	DD Name:		e: QUASOU_2	Date accepted:	2000-11-01			
	Name:	depth unknown						
	Definition:	the depth from cha	art datum to the bottom	is unknown.				
3	DD Name:	HYDRO Code	e: QUASOU_3	Date accepted:	2000-11-01			
	Name:	doubtful sounding						
	Definition:	a depth that may be less than indicated. (adapted from IHO Dictionary, S-32, 5th Edition, 4840)						
4	DD Name:	HYDRO Code	e: QUASOU_4	Date accepted:	2000-11-01			
	Name:	unreliable sounding						
	Definition:	a depth that is considered to be an unreliable value.						
6	DD Name:	HYDRO Code	e: QUASOU_6	Date accepted:	2000-11-01			
	Name:	least depth known						
	Definition: Edition, 27	•	over a feature is of kn	own value. (adapte	ed from IHO Dictionary, S-32, 5th			
7	DD Name:	HYDRO Code	e: QUASOU_7	Date accepted:	2000-11-01			
	Name:	least depth unknow	vn, safe clearance at d	epth shown				

Value Data Dictionary (DD) Reference

Definition: the least depth over a feature is unknown, but there is considered to be safe clearance at this depth.

8	DD Name:	HYDRO	Code:	QUASOU_8	Date accepted:	2000-11-01			
	Name:	value reported (not surveyed)							
	Definition:	depth value	depth value obtained from a report, but not fully surveyed.						
9	DD Name:	HYDRO	Code:	QUASOU_9	Date accepted:	2000-11-01			
	Name:	value reported (not confirmed)							
	Definition:	et the text of							
10	DD Name:	HYDRO	Code:	QUASOU_10	Date accepted:	2000-11-01			
	Name:	maintained o	depth						
	Definition: S-32, 5th E	Definition: the depth at which a channel is kept by human influence, usually by dredging. (IHO Dictiona S-32, 5th Edition, 3057)							
11	DD Name:	HYDRO	Code:	QUASOU_11	Date accepted:	2000-11-01			
	Name:	not regularly	, maintai	ned					
	Definition:	depths may	be alter	ed by human influence	e, but will not be ro	outinely maintained.			

Attribute	Radar wave length						
Acronym:	RADWAL	Code:	126				
Use Type:	F						
Value Type:	S						

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The distance between two successive peaks (or other points of identical phase) on an electromagnetic wave in the radar band of the electromagnetic spectrum.

Attribute	Reference year for magnetic variation		
Acronym:	RYRMGV	Code:	130
Use Type:	F		
Value Type:	I		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The reference calendar year for magnetic variation values.

						
Attribute	Restric	tion				
Acronym:	REST	RN			Code:	131
Use Type:	F					
Value Type	e: L					
Data Dictio	onary (DD) R	eference:				
DD Name:	HYDRO	Date accept	oted: 2000-11-01			
Definition:	The officia	I legal statute of each	h kind of restricted area	а.		
Enumeratio	ons:					
Value	Data Dictio	nary (DD) Reference				
1	DD Name:	HYDRO Code:	RESTRN_1	Date accepted:	2000-11-01	
	Name:	anchoring prohibited	b			
	Definition:	an area within whic	h anchoring is not perr	nitted.		
2	DD Name:	HYDRO Code:	RESTRN_2	Date accepted:	2000-11-01	
	Name:	anchoring restricted				
	Definition:			e authority, within	which anchoring is restricted in	
	accordance	e with certain specifie	a conditions.			
3	DD Name:		RESTRN_3	Date accepted:	2000-11-01	
	Name:	fishing prohibited				
	Definition:	an area within whic	h fishing is not permitte	ed.		
4	DD Name:	HYDRO Code:	RESTRN_4	Date accepted:	2000-11-01	
	Name:	fishing restricted				
	Definition:	a specified area dea with certain specifie	• • • • •	e authority, within	which fishing is restricted in	
_						
5	DD Name:		RESTRN_5	Date accepted:	2000-11-01	
	Name:	trawling prohibited	h trouvling is not name	tod		
	Definition:	an area within whic	h trawling is not permi	led.		
6	DD Name:	HYDRO Code:	RESTRN_6	Date accepted:	2000-11-01	

Value	Data Dictio	onary (DD) Reference
	Name:	trawling restricted
	Definition: accordance	•
7	DD Name:	HYDRO Code: RESTRN_7 Date accepted: 2000-11-01
	Name:	entry prohibited
	Definition:	an area within which navigation and/or anchoring is prohibited.
8	DD Name:	HYDRO Code: RESTRN_8 Date accepted: 2000-11-01
	Name:	entry restricted
	Definition: accordance	a specified area designated by appropriate authority, within which navigation is restricted in e with certain specified conditions.
9	DD Name:	HYDRO Code: RESTRN_9 Date accepted: 2000-11-01
	Name:	dredging prohibited
	Definition:	an area within which dredging is not permitted.
10	DD Name:	HYDRO Code: RESTRN_10 Date accepted: 2000-11-01
	Name:	dredging restricted
	Definition: accordance	a specified area designated by appropriate authority, within which dredging is restricted in e with certain specified conditions.
11	DD Name:	HYDRO Code: RESTRN_11 Date accepted: 2000-11-01
	Name:	diving prohibited
	Definition:	an area within which diving is not permitted.
12	DD Name:	HYDRO Code: RESTRN_12 Date accepted: 2000-11-01
	Name:	diving restricted
	Definition: accordance	a specified area designated by appropriate authority, within which diving is restricted in e with certain specified conditions.
13	DD Name:	HYDRO Code: RESTRN_13 Date accepted: 2000-11-01
	Name:	no wake
	Definition: erosion or	mariners must adjust the speed of their vessels to reduce the wave or wash which may cause disturb moored vessels.
14	DD Name:	HYDRO Code: RESTRN_14 Date accepted: 2000-11-01
	Name:	area to be avoided
	Definition:	an IMO designated area to be avoided, defined as a routeing measure.

Value	Data Dictio	nary (DD) Reference
15	DD Name:	HYDRO Code: RESTRN_15 Date accepted: 2000-11-01
	Name:	construction prohibited
	Definition:	the erection of permanent or temporary fixed structures or artificial islands is prohibited.
16	DD Name:	HYDRO Code: RESTRN_16 Date accepted: 2000-11-01
	Name:	discharging prohibited
	Definition:	an area within which discharging or dumping is prohibited
17	DD Name:	HYDRO Code: RESTRN_17 Date accepted: 2000-11-01
	Name:	discharging restricted
	Definition: restricted in	a specified area designated by an appropriate authority, within which discharging or dumping is accordance with specified conditions.
18	DD Name:	HYDRO Code: RESTRN_18 Date accepted: 2000-11-01
	Name:	industrial or mineral exploration/development prohibited
	Definition:	an area within which industrial or mineral exploration and development are prohibited.
19	DD Name:	HYDRO Code: RESTRN_19 Date accepted: 2000-11-01
	Name:	industrial or mineral exploration/development restricted
	Definition: exploration	a specified area designated by an appropriate authority, within which industrial or mineral and development is restricted in accordance with certain specified conditions.
20	DD Name:	HYDRO Code: RESTRN_20 Date accepted: 2000-11-01
	Name:	drilling prohibited
	Definition:	an area within which excavating a hole on the sea-bottom with a drill is prohibited.
21	DD Name:	HYDRO Code: RESTRN_21 Date accepted: 2000-11-01
	Name:	drilling restricted
	Definition: sea-bottom	a specified area designated by an appropriate authority, within which excavating a hole on the with a drill is restricted in accordance with certain specified conditions.
22	DD Name:	HYDRO Code: RESTRN_22 Date accepted: 2000-11-01
	Name:	removal of historical artifacts prohibited
	Definition:	an area within which the removal of historical artifacts is prohibited.
23	DD Name:	HYDRO Code: RESTRN_23 Date accepted: 2000-11-01
	Name:	cargo transhipment (lightering) prohibited
	Definition:	an area in which cargo transhipment (lightering) is prohibited.

Value	Data Dictio	nary (DD) Ref	nary (DD) Reference					
24	DD Name:	HYDRO	Code:	RESTRN_24	Date accepted:	2000-11-01		
	Name:	dragging pro	hibited					
	Definition:	an area in w	hich the	dragging of anything a	along the bottom,	e.g. bottom trawling, is prohibited.		
25	DD Name:	HYDRO	Code:	RESTRN_25	Date accepted:	2000-11-01		
	Name:	stopping prol	nibited					
	Definition:	an area in w	hich a v	essel is prohibited from	n stopping.			
26	DD Name:	HYDRO	Code:	RESTRN_26	Date accepted:	2000-11-01		
	Name:	landing prohi	bited					
	Definition:	an area in w	n area in which landing is prohibited.					
27	DD Name:	HYDRO	Code:	RESTRN_27	Date accepted:	2000-11-01		
	Name:	speed restric	ted					
	Definition:	an area with	in which	speed is restricted.				
38	DD Name:	IENC	Code:	restrn_38	Date accepted:	2000-11-01		
	Name:	use of spuds	prohibit	ted				
	Definition:	The use of a	nchorin	g spuds (telescopic pil	es) is prohibited			

Attribute	Scale minimum		
Acronym:	SCAMIN	Code:	133
Use Type:	F		
Value Type:	I		

Data Dictionary	y ((DD)) Reference:

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The minimum scale at which the object may be used e.g. for ECDIS presentation.

Attribute	Sector limit one		
Acronym:	SECTR1	Code:	136
Use Type:	F		
Value Type:	F		

DD Name: HYDRO Date accepted: 2008-01-31

Definition: A sector is the part of a circle between two straight lines drawn from the centre to the circumference. (Advanced Learner=s Dictionary, 2nd Edition) Sector limit 1 specifies the first limit of the sector. The order of sector limit 1 and sector limit 2 is clockwise around the central object (e.g. a light).

Attribute	Sector limit two		
Acronym:	SECTR2	Code:	137
Use Type:	F		
Value Type:	F		

DD Name: HYDRO Date accepted: 2008-01-31

Definition: A sector is the part of a circle between two straight lines drawn from the centre to the circumference. (Advanced Learner=s Dictionary, 2nd Edition) The sector limit 2 specifies the second limit of the sector. The order of sector limit 1 and sector limit 2 is clockwise around the central object (e.g. a light).

Acronym: SIGFRQ Code:	
	139
Use Type: F	
Value Type: I	

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The frequency of a signal.

Attribute	Signal	generation		
	I			
Acronym:	SIGGE	N	Code:	140
Use Type:	F			
Value Type	e: E			
Data Diction	<u>nary (DD) R</u>	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
Enumeratio	ne:			
	<u>, , , , , , , , , , , , , , , , , , , </u>			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	HYDRO Code: SIGGEN_1 Date accepted: 2000-11-01		
	Name:	automatically		
	Definition:	signal generation is initiated by a self regulating mechanism such as a timer or lig	ght sensor	
0				
2	DD Name:			
	Name:	by wave action		
	Definition:	the signal is generated by the motion of the sea surface such as a bell in a buoy.		

Acronym: SIGGRP	Code:	141
Use Type: F		
Value Type: S		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The number of signals, the combination of signals or the morse character(s) within one period of full sequence.

Attribute	Signal period		
Acronym:	SIGPER	Code:	142
Use Type:	F		
Value Type:	F		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The time occupied by an entire cycle of intervals of light and eclipse.

Attribute	Signal sequence	gnal sequence						
Acronym:	SIGSEQ	Code:	143					
Use Type:	F							
Value Type:	S							

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The sequence of times occupied by intervals of light and eclipse for all 'light characteristics' except for occulting where the sequence of times is occupied by intervals of eclipse and light.

Attribute	Sounding accuracy						
Acronym:	SOUACC	Code:	144				
Use Type:	F						
Value Type:	F						

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The best estimate of the accuracy of the sounding data. The maximum of the one-dimensional error. The error is assumed to be positive and negative. The plus/minus character shall not be encoded.

Acronym: SORD	AT Code:	147
Use Type: F		
Value Type: S		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The production date of the source, e.g. the date of measurement.

Attribute	Source indication		
Acronym:	SORIND	Code:	148
Use Type:	F		
Value Type:	S		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: Information about the source of the object.

Attribute	Status			
Acronym:	STATU	JS Co	ode: 1	149
Use Type:	F			
Value Typ	e: L			
Data Dictio	onary (DD) R	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
<u>Enumerati</u>	ons:			
Value	Data Diatia	nary (DD) Reference		
2	DD Name:			
	Name:	occasional		
	Definition:	acting on special occasions; happening irregularly. (The Concise Oxford Dictionary, 7	/th Editio))
3	DD Name:	HYDROCode:STATUS_3Date accepted:2000-11-01		
	Name:	recommended		
	Definition:	presented as worthy of confidence, acceptance, use, etc. (The Macquarie Dictionary,	, 1988)	
4	DD Name:	HYDRO Code: STATUS_4 Date accepted: 2000-11-01		
	Name:	not in use		
	Definition:	no longer used for the purpose intended; disused.		
8	DD Name:	HYDRO Code: STATUS_8 Date accepted: 2000-11-01		
	Name:	private		
	Definition:	not in public ownership or operation.		
9	DD Name:	HYDRO Code: STATUS_9 Date accepted: 2000-11-01		
	Name:	mandatory		
	Definition:	compulsory; enforced. (The Concise Oxford Dictionary, 7th Edition)		
12	DD Name:	HYDRO Code: STATUS_12 Date accepted: 2000-11-01		
	Name:	illuminated		
	Definition:	lit by floodlights, strip lights, etc.		

Value	Data Dictio	onary (DD) Reference)		
14	DD Name:	HYDRO Code	: STATUS_14	Date accepted:	2000-11-01
	Name:	public			
	Definition: private use		able to, used or shared New Shorter Oxford Er	• •	/ as a whole and not restricted to 993)
16	DD Name:	HYDRO Code	: STATUS_16	Date accepted:	2000-11-01
	Name:	watched			
	Definition: change. (a		ved over a period of tim v Shorter Oxford Englis		to be aware of any movement or 3)
17	DD Name:	HYDRO Code	: STATUS_17	Date accepted:	2000-11-01
	Name:	un-watched			
	Definition: (adapted fr	•	n operation, without an S-32, 5th Edition, 2814)	• • • •	tioned personnel to superintend it.
18	DD Name:	HYDRO Code	: STATUS_18	Date accepted:	2000-11-01
	Name:	existence doubtful			
	Definition:	an object that has	been reported but has i	not been definitely	determined to exist.
7	DD Name:	HYDRO Code	: STATUS_7	Date accepted:	2000-11-01
	Name:	temporary			
	Definition:	meant to last only	or a time. (The Concise	e Oxford Dictionar	y)
1	DD Name:	HYDRO Code	: STATUS_1	Date accepted:	2000-11-01
	Name:	permanent			
	Definition:	intended to last or	function indefinitely		
5	DD Name:	HYDRO Code	: STATUS_5	Date accepted:	2000-11-01
	Name:	periodic/intermitten	t		
	Definition:	recurring at interva	ls		
6	DD Name:	HYDRO Code	: STATUS_6	Date accepted:	2000-11-01
	Name:	reserved			
	Definition:	set apart for some	specific use.		
11	DD Name:	HYDRO Code	: STATUS_11	Date accepted:	2000-11-01
	Name:	extinguished	_	, ,	
	Definition:	no longer lit			

Value	Data Dictio	a Dictionary (DD) Reference						
13	DD Name:	HYDRO	Code:	STATUS_13	Date accepted:	2000-11-01		
	Name:	historic						
	Definition:	famous in hi	story; of	historical interest				
15	DD Name:	HYDRO	Code:	STATUS_15	Date accepted:	2000-11-01		
	Name: synchronized							
	Definition:	nition: occur at a time, coincide in point of time, be contemporary or simultaneou						

Attribute	Survey authority		
Acronym:	SURATH	Code:	150
Use Type:	F		
Value Type:	Т		

DD Name:	HYDRO	Date accepted:	2000-11-01

Definition: The authority which was responsible for the survey.

Attribute	Survey date - end		
Acronym:	SUREND	Code:	151
Use Type:	F		
Value Type:	S		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The end date of the survey.

Attribute	Survey date - start		
Acronym:	SURSTA	Code:	152
Use Type:	F		
Value Type:	S		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The start date of the survey.

Attribute	Survey	' type						
Acronym:	SURT	/P					Code:	153
Use Type:	F							
Value Type	: L							
Data Dictior	<u>nary (DD) R</u>	eference:						
DD Name:	HYDRO	Date	e accept	ted: 2000-11-01				
Definition:								
Enumeratio	<u>ns:</u>							
Value	Data Dictio	nary (DD) Ref	erence					
2	DD Name:	HYDRO	Code:	SURTYP_2	Date accepted:	2000-11-01		
	Name:	controlled su	rvey					
	Definition:	a thorough s	urvey us	sually conducted with	n reference to guide	lines.		

Attribute	Symbol instruction	
Acronym:	SYMINS	Code: 18029
Use Type:	F	
Value Type:	т	

DD Name: HYDRO Date accepted: 2015-01-01

Definition: This specifies the S-52 Presentation Library symbol instruction to be adopted in ECDIS for the new object class (as specified in the S-52 Symbol Library - Addendum to S-52 Presentation Library).

Attribute	Techni	que of soundin	g meas	surement				
Acronym:	TECS	DU					Code:	156
Use Type:	F							
Value Type	e: L							
Data Dictio	onary (DD) R	eference:						
DD Name:	HYDRO	Date	accept	ted: 2000-11-01				
Definition:								
Enumerati	ons:							
Value	Data Dictio	nary (DD) Refe	erence					
1	DD Name:	HYDRO	Code:	TECSOU_1	Date accepted:	2000-11-01		
	Name:	found by echo	o-sound	ler				
		•	emissio	on of a sonic or ultr	instrument that deterr asonic signal and retu	•	•	-
2	DD Name:	HYDRO	Code:	TECSOU_2	Date accepted:	2000-11-01		
	Name:	found by side	-scan-s	onar				
		d into the water	r perpei	ndicularly to the dir	produced by active s rection of travel to sca IO Dictionary, S-32, 4	in the bottom and		eams
3	DD Name:	HYDRO	Code:	TECSOU_3	Date accepted:	2000-11-01		
	Name:	found by mult	i-beam					
	Definition: measure d	•			vide swath echo sound e ship's track. (adapte		•	
4	DD Name:	HYDRO	Code:	TECSOU_4	Date accepted:	2000-11-01		
	Name:	found by dive	r					
	Definition: Dictionary,	the depth was S-32, 1422)	s deterr	mined by a person	skilled in the practice	of diving. (adapte	d from IHO	
5	DD Name:	HYDRO	Code:	TECSOU_5	Date accepted:	2000-11-01		
	Name:	found by lead	P					

Value	Data Dictionary	(DD) Reference			
		•	mined by using a line, O Dictionary, S-32, 26	-	ached marks and fastened to a
6	DD Name: HYI	DRO Code:	TECSOU_6	Date accepted:	2000-11-01
	Name: swe	ept by wire-drag			
	towing a buoyed	d wire at the desi		hes, or a least dep	langers to a certain depth by oth was identified using the same
7	DD Name: HYI	DRO Code:	TECSOU_7	Date accepted:	2000-11-01
	Name: four	ind by laser			
	pulses of laser l		ng the time between e		ures distance by emitting timed tion of the reflected pulses.
8	DD Name: HYI	DRO Code:	TECSOU_8	Date accepted:	2000-11-01
	Name: swe	ept by vertical acc	oustic system		
		-	been swept using a sys n the survey vessel.	tem comprised of	multiple echo sounder transducers
9	DD Name: HYI	DRO Code:	TECSOU_9	Date accepted:	2000-11-01
	Name: four	ind by electromag	netic sensor		
		e depth was detern IHO Dictionary, S-	• •	rument that compa	ares electromagnetic signals.
10	DD Name: HYI	DRO Code:	TECSOU_10	Date accepted:	2000-11-01
	Name: pho	otogrammetry			
	Definition: the IHO Dictionary,	•	mined by applying mat	hematical techniq	ues to photographs. (adapted from
11	DD Name: HYI	DRO Code:	TECSOU_11	Date accepted:	2000-11-01
	Name: sate	ellite imagery			
		e depth was deter onary, S-32, 4509)		nents placed aboa	rd an artificial satellite. (adapted
12	DD Name: HYI	DRO Code:	TECSOU_12	Date accepted:	2000-11-01
	Name: four	ind by levelling			
		•	mined by using levellin ictionary, S-32, 2741)	g techniques to fir	nd the elevation of the point relative
13	DD Name: HYI	DRO Code:	TECSOU_13	Date accepted:	2000-11-01

Value Data Dictionary (DD) Reference

Name: swept by side-scan-sonar

Definition: the given area was determined to be free from navigational dangers to a certain depth by towing a side-scan-sonar. (adapted from IHO Dictionary, S-32, 5248, 4710) [415.2]

14	DD Name:	HYDRO	Code:	TECSOU_14	Date accepted:	2000-11-01		
	Name:	computer generated						
	Definition:	the sounding was determined from a bottom model constructed using a com						

Attribute	Textual description		
Acronym:	TXTDSC	Code:	158
Use Type:	F		
Value Type:	т		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The string encodes the file name of an external text file that contains the text in English

Attribute	Textual description in national language		
Acronym:	NTXTDS	Code:	304
Use Type:	Ν		
Value Type:	т		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The file name of an external text file that contains the text in a national language.

Attaile	-]
Attribute	Topma	k/daymark shape					
Acronym:	TOPSH	Р				Code:	171
Use Type:	F						
Value Type	e: E						
Data Dictic	nary (DD) Ro	ference:					
DD Name:	HYDRO	Date acce	pted: 2000-11-01				
Definition:							
Enumeratio	ons:						
Value	Data Dictio	ary (DD) Reference	9				
1	DD Name:	HYDRO Code	: TOPSHP_1	Date accepted:	2000-11-01		
	Name:	cone, point up					
	Definition:	is where the vertex	c points up.				
2	DD Name:	HYDRO Code	: TOPSHP_2	Date accepted:	2000-11-01		
	Name:	cone, point down					
	Definition:	is where the vertex	c points down.				
3	DD Name:	HYDRO Code	: TOPSHP_3	Date accepted:	2000-11-01		
	Name:	sphere					
	-	ish Dictionary. 1993	of which is at all points 3. vol 2). Spheres are c opmarks (safe water).	•	,		
4	DD Name:	HYDRO Code	: TOPSHP_4	Date accepted:	2000-11-01		
	Name:	2 spheres					
	Definition: - IALA topm	two black spheres ark (isolated dange	are commonly used as r).	an International A	ssociation of Lightho	use Autho	orities
5	DD Name:	HYDRO Code	: TOPSHP_5	Date accepted:	2000-11-01		
	Name:	cylinder (can)					
	•	osed curve, especia	l figure generated by st ally a circle (in which ca rter Oxford English Dict	se the figure is circ	cular cylinder, it's end	ds being	

IENC_FC_2.5.DOCX

Value Data Dictionary (DD) Reference						
	Internation	al Associatior	n of Light	house Authorities - IA	ALA topmarks (late	ral).
6	DD Name:	HYDRO	Code:	TOPSHP_6	Date accepted:	2000-11-01
	Name:	board				
	Definition: natural bac		•	ar shape, made from t a. The actual daymark		d used to provide a contrast with the n to this board.
7	DD Name:	HYDRO	Code:	TOPSHP_7	Date accepted:	2000-11-01
	Name:	x-shape (St.	Andrew	's cross)		
	•	1993. vol 2).	An x-sha		al Association of Li	he New Shorter Oxford English ghthouse Authorities - IALA ossed bars.
8	DD Name:	HYDRO	Code:	TOPSHP_8	Date accepted:	2000-11-01
	Name:	upright cros	s (St Geo	orge's cross)		
	Definition: character '-		one ver	tical member and one	e horizontal membe	er, i.e. similar in shape to the
9	DD Name:	HYDRO	Code:	TOPSHP_9	Date accepted:	2000-11-01
	Name:	cube, point	up			
	Definition:	a cube stan	ding on a	one of its vertexes.		
10	DD Name:	HYDRO	Code:	TOPSHP_10	Date accepted:	2000-11-01
	Name:	2 cones, poi	int to poi	nt		
	Definition:	2 cones, on	e above	the other, with their v	ertices together in	the centre.
11	DD Name:	HYDRO	Code:	TOPSHP_11	Date accepted:	2000-11-01
	Name:	2 cones, ba	se to bas	se		
	Definition: up and dov		e above	the other, with their b	ases together in th	e centre and their vertices pointing
12	DD Name:	HYDRO	Code:	TOPSHP_12	Date accepted:	2000-11-01
	Name:	rhombus (di	amond)			
	Definition: an oblique					ngles (two acute and two obtuse); victionary. 1993. vol 2)
13	DD Name:	HYDRO	Code:	TOPSHP_13	Date accepted:	2000-11-01
	Name:	2 cones (po	ints upwa	ard)		
	Definition	2 cones on	a abova	the other with their th	hair vartices pointir	

Definition: 2 cones, one above the other, with their their vertices pointing up

Value	Data Dictio	tionary (DD) Reference							
14	DD Name:	HYDRO	Code:	TOPSHP_14	Date accepted:	2000-11-01			
	Name:	2 cones (points downward)							
	Definition:	2 cones, one above the other, with their their vertices pointing down							
15	DD Name:	HYDRO	Code:	TOPSHP_15	Date accepted:	2000-11-01			
	Name:	besom, point	t up (bro	om or perch)					
	Definition:	a bundle of rods or twigs. (The New Shorter Oxford English Dictionary. 1993. vol 1)							
16	DD Name:	HYDRO	Code:	TOPSHP_16	Date accepted:	2000-11-01			
	Name:	besom, point down (broom or perch)							
	Definition:	on: a bundle of rods or twigs. (The New Shorter Oxford English Dictionary. 1993. vol 1)							
17	DD Name:	HYDRO	Code:	TOPSHP_17	Date accepted:	2000-11-01			
	Name:	flag							
	Definition:	a flag mount	ed on a	short pole.					
18	DD Name:	HYDRO	Code:	TOPSHP_18	Date accepted:	2000-11-01			
	Name:	sphere over	rhombus	3					
	Definition:	A sphere loc	ated abo	ove a rhombus.					
19	DD Name:	HYDRO	Code:	TOPSHP_19	Date accepted:	2000-11-01			
	Name:	square							
	Definition: English Dic	a plane figur tionary. 1993.		our right angles and for	ur equal straight si	des (The New Shorter Oxford			
20	DD Name:	HYDRO	Code:	TOPSHP_20	Date accepted:	2000-11-01			
	Name:	rectangle, ho	orizontal						
	Definition: a plane figure with four right angles and four straight sides, opposite sides being parallel and equal in length where the two longer opposite sides are standing horizontally (The New Shorter Oxford English Dictionary. 1993. vol 2).								
21	DD Name:	HYDRO	Code:	TOPSHP_21	Date accepted:	2000-11-01			
	Name:	rectangle, ve	ertical						
	Definition: a plane figure with four right angles and four straight sides, opposite sides being parallel and equal in length where the two longer opposite sides are standing vertically (The New Shorter Oxford English Dictionary. 1993. vol 2).								
22	DD Name:	HYDRO	Code:	TOPSHP_22	Date accepted:	2000-11-01			
	Name:	trapezium, u	р						

Value	Data Dictio	Data Dictionary (DD) Reference						
	Definition: side. (The	Definition: a quadrilateral having one pair of opposite sides parallel which stands on its longer parallel side. (The New Shorter Oxford English Dictionary. 1993. vol 2).						
23	DD Name:	HYDRO	Code:	TOPSHP_23	Date accepted:	2000-11-01		
	Name:	trapezium, d	own					
	Definition: side. (The			ng one pair of opposite English Dictionary. 199	•	ich stands on its shorter parallel		
24	DD Name:	HYDRO	Code:	TOPSHP_24	Date accepted:	2000-11-01		
	Name:	triangle, poir	nt up					
		a figure hav 1993. vol 2)	ing three	e angles and three side	es with point up. (I	New Shorter Oxford English		
25	DD Name:	HYDRO	Code:	TOPSHP_25	Date accepted:	2000-11-01		
	Name:	triangle, poir	nt down					
	Definition: Dictionary.	a figure hav 1993. vol 2)	ing three	e angles and three side	es with point down	n. (New Shorter Oxford English		
26	DD Name:	HYDRO	Code:	TOPSHP_26	Date accepted:	2000-11-01		
	Name:	circle						
	Definition: (The New \$	tion: a perfectly round plane figure whose circumference is everywhere equidistant from its centre. New Shorter Oxford English Dictionary. 1993. vol 1)						
27	DD Name:	HYDRO	Code:	TOPSHP_27	Date accepted:	2000-11-01		
	Name:	two upright crosses (one over the other)						
	Definition:	two upright	crosses,	generally vertically di	sposed one above	e the other.		
28	DD Name:	HYDRO	Code:	TOPSHP_28	Date accepted:	2000-11-01		
	Name:	T-shape						
	Definition:	having a shape like the capital letter T.						
29	DD Name:	HYDRO	Code:	TOPSHP_29	Date accepted:	2000-11-01		
	Name:	triangle poin	ting up o	over a circle				
	Definition:	a triangle, vertex uppermost, located above a circle.						
30	DD Name:	HYDRO	Code:	TOPSHP_30	Date accepted:	2000-11-01		
	Name:	upright cross over a circle						
	Definition:	an upright c	ross loca	ated above a circle.				
31	DD Name:	HYDRO	Code:	TOPSHP_31	Date accepted:	2000-11-01		

Value	Data Dictio	onary (DD) Reference						
	Name:	rhombus ove	rhombus over a circle					
	Definition:	a rhombus l	ocated a	bove a circle.				
32	DD Name:	HYDRO	Code:	TOPSHP_32	Date accepted:	2000-11-01		
	Name:	circle over a triangle pointing up						
	Definition:	a circle loca	ted over	a triangle, vertex upp	ermost.			
33	DD Name:	HYDRO	Code:	TOPSHP_33	Date accepted:	2000-11-01		
Name: other shape (see INFORM)								
	Definition:							

Attribute	Traffic	low			
Acronym:	TRAFI		Code: 172		
Use Type:	F				
Value Type:	: E				
Data Dictior	hary (DD) R	eference:			
	HYDRO	Date accepted: 2000-11-01			
Definition:					
Fourseratio	201				
Enumeratio	<u>ns:</u>				
Value	Data Dictio	nary (DD) Reference			
1	DD Name:	HYDRO Code: TRAFIC_1 Date accepted: 2000	-11-01		
	Name:	inbound			
	Definition:	traffic flow in a general direction toward a port or similar destination).		
2	DD Name:	HYDRO Code: TRAFIC_2 Date accepted: 2000	-11-01		
	Name:	outbound			
	Definition:	traffic flow in a general direction away from a port or similar point o	f origin.		
3	DD Name:	HYDRO Code: TRAFIC_3 Date accepted: 2000	-11-01		
	Name:	one-way			
	Definition: traffic flow in one general direction only.				
4	DD Name:	HYDRO Code: TRAFIC_4 Date accepted: 2000	-11-01		
	Name:	two-way			
	Definition:	traffic flow in two generally opposite directions.			

Attribute	Value of annual change in magnetic variation		
Acronym:	VALACM	Code:	173
Use Type:	F		
Value Type:	F		

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The annual change in magnetic variation values.

Attribute	Value of depth contour		
Acronym:	VALDCO	Code:	174
Use Type:	F		
Value Type:	F		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The depth of a sea bottom contour.

Attribute	Value of magnetic variation		
Acronym:	VALMAG	Code:	176
Use Type:	F		
Value Type:	F		
,			

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The magnetic variation value.

Attribute	Value of maximum range		
Acronym:	VALMXR	Code:	177
Use Type:	F		
Value Type:	F		

Data Dictionar	y ((DD)	Reference:

DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The extreme distance at which an object can be seen or a signal detected.

Value of nominal range		
VALNMR	Code:	178
F		
F		
	VALNMR F	VALNMR Code:

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DD Name:	HYDRO	Date accepted:	2000-11-01
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Definition: The nominal range at which an object can be seen or a signal detected

Attribute	Value of sounding		
Acronym:	VALSOU	Code:	179
Use Type:	F		
Value Type:	F		
raide rype.			

Data Dictionary (DD) Reference

DD Name: HYDF	O Date accepted:	2000-11-01
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Definition: The value of the measurement of a sounding relative to the chart datum.

Attribute	Vertical Accura	ю								
Acronym:	VERACC								Code:	180
Use Type:	F									
Value Type:	F									
Data Dictionary (DD) Reference:										
DD Name: H	IYDRO	Date accepted:	2000-11-01							

Definition: The one-dimensional error. The error is assumed to be positive and negative. The plus/minus character shall not be encoded.

Attribute	Vertical clearance		
Acronym:	VERCLR	Code:	181
Use Type:	F		
Value Type:	F		

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DD Name: H	YDRO	Date accepted:	2000-11-01
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Definition: The vertical clearance measured from the plane towards the object overhead.

Attribute	Vertical clearar	tical clearance, closed									
Acronym:	VERCCL							Code:	182		
Use Type:	F										
Value Type:	F										
Data Distinger											
Data Dictionar	y (DD) Reference	<u>ə:</u>									
DD Name: H	IYDRO	Date accepted:	2000-11-01								

Definition: The vertical clearance of an object in closed condition (e.g. a closed lifting bridge) measured from the plane towards the object overhead.

Attribute	Vertical clearance, open		
Acronym:	VERCOP	Code:	183
Use Type:	F		
Value Type:	F		
Data Dictionar	y (DD) Reference:		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The vertical clearance of an object in opened condition (e.g. an opened lifting bridge) measured from the plane towards the object overhead.

Attribute	Vertica	al datum						
Acronym:	VERD	DAT	Code:	185				
Use Type:	F							
Value Type	e: E							
Data Dictio	nary (DD) R	Reference:						
DD Name:	HYDRO	Date accepted: 2001-05-31						
Definition:	Vertical da	latum						
Enumeratio	ons:							
Value	Data Dictic	onary (DD) Reference						
4	DD Name:	: HYDRO Code: VERDAT_4 Date accepted: 2001-05-31						
	Name:	Lowest low water						
	Definition:	an arbitrary level conforming to the lowest tide observed at a place, or some what	t lower.					
24	DD Name:	: HYDRO Code: VERDAT_24 Date accepted: 2000-11-01						
	Name:	Local datum						
	Definition:		al heights	are				
	measured	by this authority.						
23	DD Name:	: HYDRO Code: VERDAT_23 Date accepted: 2000-11-01						
	Name:	Lowest astronomical tide						
	Definition:	· · · · · · · · · · · · · · · · · · ·	-					
	conditions	and under any combination of astronomical conditions. (IHO Dictionary, S-32, 5th E	20111011, 29	30)				
30	DD Name:	: HYDRO Code: VERDAT_29 Date accepted: 2000-11-01						
	Name:	Highest astronomical tide						
	Definition:		-					
	conditions and under any combination of astronomical conditions. (IHO Dictionary, S-32, 5th Edition, 2244).							

Attribute	Vertical length		
Acronym:	VERLEN	Code:	186
Use Type:	F		
Value Type:	F		

DD Name: HYDRO Date accepted: 2000-11-01

Definition: Vertical length

Attribute	Water	level effect		
Acronym:	WATL	EV	Code:	187
Use Type:	F			
Value Type	e: E			
Data Dictio	onary (DD) R	eference:		
DD Name:	HYDRO	Date accepted: 2000-11-01		
Definition:				
<u>Enumeratio</u>	ons:			
Value	Data Dictic	onary (DD) Reference		
1	DD Name:	HYDRO Code: WATLEV_1 Date accepted: 2000-11-01		
	Name:	partly submerged at high water		
	Definition:	partially covered and partially dry at high water.		
2	DD Name:	HYDRO Code: WATLEV_2 Date accepted: 2000-11-01		
	Name:	always dry		
	Definition:	not covered at high water under average meteorological conditions.		
3	DD Name:	HYDRO Code: WATLEV_3 Date accepted: 2000-11-01		
	Name:	always under water/submerged		
	Definition:	remains covered by water at all times under average meteorological conditions		
4	DD Name:	HYDRO Code: WATLEV_4 Date accepted: 2000-11-01		
	Name:	covers and uncovers		
		expression intended to indicate an area of a reef or other projection from the bond hich periodically extends above and is submerged below the surface. Also referre (IHO Dictionary, S-32, 5th Edition, 1111)		•
5	DD Name:	HYDRO Code: WATLEV_5 Date accepted: 2000-11-01		
	Name:	awash		
	Definition: (adapted fr	flush with, or washed by the waves at low water under average meteorological rom IHO Dictionary, S-32, 5th Edition, 308)	conditions.	
7	DD Name:	HYDRO Code: WATLEV_7 Date accepted: 2000-11-01		

Value Data Dictionary (DD) Reference Name: floating

Definition: resting or moving on the surface of a liquid without sinking (Concise Oxford Dictionary)

Attribute	Additio	nal mark						
Acronym:	addmrl	<					Code:	17050
Use Type:	F							
Value Type	e: L							
Data Dictio	nary (DD) R	eference:						
DD Name:			e accep	ted: 2001-05-31				
Definition:	Shape and	d position of a	n additic	onal board on a notice	mark			
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Ref	erence					
1	DD Name:	IENC	Code:	addmrk_1	Date accepted:	2001-05-31		
	Name:	top (board)		_				
	Definition:	a rectangula	r board	at the top of the main	sign			
2	DD Name:	IENC	Code:	addmrk_2	Date accepted:	2001-05-31		
	Name:	bottom (boar	d)					
	Definition:	a rectangula	r board	at the bottom of the m	ain sign			
3	DD Name:	IENC	Code:	addmrk_3	Date accepted:	2001-05-31		
	Name:	right (triangle	e to the r	right)				
	Definition:	a triangular l	board at	the right side of the n	nain sign			
4	DD Name:	IENC	Code:	addmrk_4	Date accepted:	2001-05-31		
	Name:	left (triangle	to the le	ft)				
	Definition:	a triangular l	board at	the left side of the ma	ain sign			
5	DD Name:	IENC	Code:	addmrk_5	Date accepted:	2001-05-31		
	Name:	bottom (trian	gle to th	e bottom)				
	Definition:	a triangular l	board at	the bottom of the ma	n sign			

Attribute	Allowed consumption	
Acronym:	allcon	Code: 18033
Use Type:	F	
Value Type:	I	

DD Name: IENC Date accepted: 2014-11-26

Definition: The maximum allowed power that may be used by the vessel

Attribute	Amount of amperage	
Acronym:	amoamp	Code: 18032
Use Type:	F	
Value Type:	I	

DD Name: IENC Date accepted: 2014-11-26

Definition: The maximum electric amperage possible

Attribute	Assem	blies of ship (e	excluding	g)				
Acronym:	lc_ase						Code:	18015
Use Type:	F							
Value Type	e: L							
Data Dictio	nary (DD) R	eference:						
DD Name:	IENC	Date	e accept	ted: 2001-05-31				
Definition:	Excluding	list of assemb	lies of s	hips for the applicabili	ty of a feature			
<u>Enumeratio</u>	ons:							
Value	Data Dictio	nary (DD) Ref	erence					
1	DD Name:	IENC	Code:	lc_ase_1	Date accepted:	2001-05-31		
	Name:	all types						
	Definition:							
2	DD Name:	IENC	Code:	lc_ase_2	Date accepted:	2001-05-31		
	Name:	other						
	Definition:							
3	DD Name:	IENC	Code:	lc_ase_3	Date accepted:	2001-05-31		
	Name:	single vesse						
	Definition:							
5	DD Name:	IENC	Code:	lc_ase_5	Date accepted:	2001-05-31		
	Name:	convoy						
	Definition:	a rigid or tow	ved conv	voy of craft				
6	DD Name:	IENC	Code:	lc_ase_6	Date accepted:	2001-05-31		
	Name:	formation						
	Definition:	the manner i	n which	a convoy is assemble	ed			
7	DD Name:	IENC	Code:	lc_ase_7	Date accepted:	2001-05-31		
	Name:	rigid convoy			·			
	Definition:		nvoy or	breasted up formation	I			

Value	Data Dictio	onary (DD) Re	ference			
8	DD Name:	IENC	Code:	lc_ase_8	Date accepted:	2001-05-31
	Name:	pushed conv	/oy			
		propelling the	convoy,		(s)"; a convoy com	n front of the craft providing the posed of a pusher craft and a d as rigid
9	DD Name:	IENC	Code:	lc_ase_9	Date accepted:	2001-05-31
	Name:	breasted up	formatic	n		
	Definition: propelling t	an assembly	/ of craft	coupled rigidly side b	y side, none of wh	ich is positioned in front of the craft
10	DD Name:	IENC	Code:	lc_ase_10	Date accepted:	2001-05-31
	Name:	towed convo	у			
	Definition:	an assembly	/ of one	or more craft, floating	establishments or	floating installations towed by one

or more self-propelled craft forming part of the convoy

Attribute	Assem	blies of ship (i	ncluding)				
Acronym:	lc_asi						Code	18014
Use Type:	F						0000.	10014
Value Type								
10.00								
Data Distis		- (
Data Dictio	<u>nary (DD) R</u> IENC			ad: 2001 05 21				
Definition:			e accept	ed: 2001-05-31	v of a feature			
Deminition.	menduling	151 01 255611101			y of a realure			
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Ref	erence					
1	DD Name:	IENC	Code:	lc_asi_1	Date accepted:	2001-05-31		
	Name:	all types						
	Definition:							
2	DD Name:	IENC	Code:	lc_asi_2	Date accepted:	2001-05-31		
-	Name:	other						
	Definition:							
3	DD Name:		Codo	lc_asi_3	Date accepted:	2001-05-31		
3	Name:	single vesse		ic_asi_s	Dale accepted.	2001-05-31		
	Definition:							
-					Determined	0004 05 04		
5	DD Name: Name:		Code:	lc_asi_5	Date accepted:	2001-05-31		
	Definition:	convoy a rigid or tov	ed conv	yoy of craft				
		Ū						
6	DD Name:		Code:	lc_asi_6	Date accepted:	2001-05-31		
	Name:	formation						
	Definition:	the manner i	n which	a convoy is assemble	d			
7	DD Name:	IENC	Code:	lc_asi_7	Date accepted:	2001-05-31		
	Name:	rigid convoy						
	Definition:	a pushed co	nvoy or	breasted up formation				

Value	Data Dictio	onary (DD) Re	ference			
8	DD Name:	IENC	Code:	lc_asi_8	Date accepted:	2001-05-31
	Name:	pushed conv	/oy			
		propelling the	convoy,		(s)"; a convoy com	n front of the craft providing the posed of a pusher craft and a d as rigid
9	DD Name:	IENC	Code:	lc_asi_9	Date accepted:	2001-05-31
	Name:	breasted up	formatic	n		
	Definition: propelling t	an assembly	/ of craft	coupled rigidly side b	y side, none of wh	ich is positioned in front of the craft
10	DD Name:	IENC	Code:	lc_asi_10	Date accepted:	2001-05-31
	Name:	towed convo	у			
	Definition:	an assembly	/ of one	or more craft, floating	establishments or	floating installations towed by one

or more self-propelled craft forming part of the convoy

Attribute	Average Passing Time Reference	
Acronym:	aptref	Code: 17099
Use Type:	F	
Value Type:	Т	

DD Name:	IENC	Date accepted:	2001-05-31
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Definition: The string encodes the file name of an external file

Attribute	Bank o	f the waterway		
Acronym:	bnkwtv	v	Code:	17105
Use Type:	F			
Value Type	: E			
Data Diction	nary (DD) R	eference:		
DD Name:	IENC	Date accepted: 2009-09-11		
Definition:	Bank of th	e river (waterway)		
Enumeratio	ons:			
Value	Data Dictio	nary (DD) Reference		
1	DD Name:			
	Name:	left		
	Definition:	left bank of the river		
2	DD Name:	IENC Code: bnkwtw_2 Date accepted: 2009-09-11		
	Name:	right		
	Definition:	right bank of the river		

Attribute	Bunker vessel, availability	
Acronym:	bunves	Code: 17065
Use Type:	F	
Value Type:	E	
Data Dictior	nary (DD) Reference:	
DD Name:	IENC Date accepted: 2001-05-31	
Definition:	Indication of the availability of a bunker vessel	
<u>Enumeratio</u>	<u>ns:</u>	
Value	Data Dictionary (DD) Reference	
1	DD Name: IENC Code: bunves_1 Dat	e accepted: 2001-05-31
	Name: bunker vessel available	
	Definition: a bunker vessel is available	
2	DD Name: IENC Code: bunves_2 Dat Name: no bunker vessel available Definition: a bunker vessel is not available	e accepted: 2001-05-31

Attribute	Catego	ory of anchora	ge			
Acronym:	catach					Code: 17000
Use Type:						
Value Type						
Data Dictio	onary (DD) R	eference:				
DD Name:			e accep	ted: 2001-05-31		
Definition:	Category	of anchorage	·			
Enumeratio	ons:					
	<u>5110.</u>					
Value	Data Dictio	nary (DD) Ref	erence			
1	DD Name:	IENC	Code:	catach_1	Date accepted:	2001-05-31
	Name:	unrestricted	anchora	ige		
	Definition:	an area in w	hich ves	ssels anchor or may	anchor. (IHO Diction	nary, S-32, 5th Edition, 130)
2	DD Name:	IENC	Code:	catach_2	Date accepted:	2001-05-31
	Name:	deep water a	anchora	ge		
	Definition:	an area in w	hich ves	ssels of deep draugh	t anchor or may and	chor.
3	DD Name:	IENC	Code:	catach_3	Date accepted:	2001-05-31
	Name:	tanker ancho	orage			
	Definition:	an area in w	hich tan	kers anchor or may	anchor.	
4	DD Name:	IENC	Code:	catach_4	Date accepted:	2001-05-31
	Name:	explosives a	nchorag	e		
	Definition: 5th Edition		apart for	anchored ships disc	charging or receiving	g explosives. (IHO Dictionary, S-32,
	DD Name:	IENC	Code:	catach_5	Date accepted:	2001-05-31
5	DD Nume.					
5	Name:	quarantine a	nchorag	le		
5		an area whe	-		atisfying quarantine	regulations. (IHO Dictionary, S-32,

Value	Data Dictio	nary (DD) Re	ary (DD) Reference							
	Name:	sea-plane a	nchorage	e						
	Definition:	an area in w	/hich sea	a-planes anchor or ma	y anchor.					
7	DD Name:	IENC	Code:	catach_7	Date accepted:	2001-05-31				
	Name:	small craft a	nchorag	e						
	Definition:	an area in w	/hich yac	chts and small boats a	nchor or may ancl	nor.				
9	DD Name:	IENC	Code:	catach_9	Date accepted:	2001-05-31				
	Name:	anchorage f	or period	ls up to 24 hours						
	Definition:	an area in w	/hich ves	ssels anchor or may ar	nchor for periods o	of up to 24 hours.				
10	DD Name:	IENC	Code:	catach_10	Date accepted:	2001-05-31				
	Name:	anchorage f	or pushir	ng-navigation vessels						
	Definition:	an area whe	ere pushi	ing-navigation vessels	may anchor					
11	DD Name:	IENC	Code:	catach_11	Date accepted:	2001-05-31				
	Name:	anchorage f	or other	vessels than pushing-	navigation vessels	5				
	Definition:	an area whe	ere other	vessels than pushing	-navigation vessel	s may anchor				
12	DD Name:	IENC	Code:	catach_12	Date accepted:	2009-12-09				
	Name:	anchorage f	or dry ca	irgo vessels						
	Definition:	an area whe	ere dry c	argo vessels may and	hor					
13	DD Name:	IENC	Code:	catach_13	Date accepted:	2009-12-09				
	Name:	anchorage f	or rafts							
	Definition:	an area whe	ere rafts	may anchor						

Attribute	Catego	ory of berth								
Acronym:	catbrt					Code:	17066			
Use Type:	F									
Value Type	e: L									
Data Dictio	nary (DD) R	eference:								
DD Name:	IENC	Date accept	oted: 2001-05-31							
Definition:	Category	Category of berth								
Enumeratio	ons:									
Value	Data Dictio	onary (DD) Reference								
1	DD Name:	IENC Code:	catbrt_1	Date accepted:	2001-05-31					
	Name:	loading								
	Definition:	A place where vess	els may berth for load	ing cargo.						
2	DD Name:	IENC Code:	catbrt_2	Date accepted:	2001-05-31					
	Name:	unloading								
	Definition:	A place where vess	els may berth for unlo	ading cargo.						
3	DD Name:	IENC Code:	catbrt_3	Date accepted:	2001-05-31					
	Name:	overnight accommo	dation							
	Definition:	Berths that are suita	able/ meant for berthin	g overnight.						
4	DD Name:	IENC Code:	catbrt_4	Date accepted:	2001-05-31					
	Name:	berth for pushing-na	avigation vessels							
	Definition:	an place where pus	hing-navigation vesse	ls may berth.						
5	DD Name:	IENC Code:	catbrt_5	Date accepted:	2001-05-31					
	Name:	berth for other vess	els than pushing-navig	ation vessels						
	Definition:	an place where oth	er vessels than pushin	g-navigation vesse	els may berth.					
6	DD Name:	IENC Code:	catbrt_6	Date accepted:	2001-05-31					
	Name:	fleeting area								
	Definition:	A legally permitted	area in or near the wa	terway designated	for temporary barge	mooring	J.			

Value	Data Dictio	nary (DD) Ref	erence			
7	DD Name:	IENC	Code:	catbrt_7	Date accepted:	2001-05-31
	Name:	first class lar	nding			
		A federally c water level.	lesignate	ed area that provides	tie-ups and at leas	t 9 feet (2.7m) of water depth
8	DD Name:	IENC	Code:	catbrt_8	Date accepted:	2001-05-31
	Name:	second class	s landing	J		
	Definition: normal poc		lesignate	ed area that provides	tie-ups and at leas	t 9 feet (2.7m) of water depth
9	DD Name:	IENC	Code:	catbrt_9	Date accepted:	2012-12-19
	Name:	berth for pas	senger	vessels		
	Definition:					

Attribute	Catego	ory of bunker s	station					
Acronym:	catbun						Code.	17067
Use Type:	F						0000.	11001
Value Type								
value Type	/. L							
	<i>(</i>							
	<u>nary (DD) R</u>							
DD Name:			e accep	ted: 2001-05-31				
Definition:	Category of	of bunker stati	on					
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Ref	erence					
1	DD Name:	IENC	Code:	catbun_1	Date accepted:	2001-05-31		
	Name:	diesel oil						
	Definition:	diesel oil ava	ailable					
2	DD Name:	IENC	Code:	catbun_2	Date accepted:	2001-05-31		
	Name:	water			·			
		water availa	ble					
0						0004.05.04		
3	DD Name:		Code:	catbun_3	Date accepted:	2001-05-31		
	Name:	ballast						
	Definition:	ballast availa	able					
4	DD Name:	IENC	Code:	catbun_4	Date accepted:	2001-05-31		
	Name:	power						
	Definition:	power suppl	y availal	ole				

								
Attribute	Catego	ory of cable						
Acronym:	catcbl						Code:	17101
Use Type:	F							
Value Type	e: E							
Data Dictio	nary (DD) R	eference:						
DD Name:	IENC	Dat	e accep	ted: 2001-05-31				
Definition:	Category	of cable						
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Ref	erence					
1	DD Name:	IENC	Code:	catcbl_1	Date accepted:	2001-05-31		
	Name:	power line						
	Definition:	a cable used	d for the	supply of electricity.				
3	DD Name:	IENC	Code:	catcbl_3	Date accepted:	2001-05-31		
	Name:	transmission	line					
	Definition: generally m			d cables usually suppo ormal power lines.	rted by steel lattic	e towers. Such feature	es are	
1	DD Name:	·		catcbl_4	Date accepted:	2001-05-31		
-	Name:	telephone	0000.		Duie accepted.	2001 00 01		
		-	d for the	transmission of teleph	one signals.			
5	DD Name:	IENC	Code:	catcbl_5	Date accepted:	2001-05-31		
0	Name:	telegraph	0000.		Duie accepted.	2001 00 01		
			d for the	transmission of telegr	aph signals.			
6	DD Name:			catcbl_6	Date accepted:	2001-05-31		
6	Name:	mooring cab			Dale accepted.	2001-03-31		
	Definition:	-		d to secure a mooring	buoy or other floa	ting structure		
_				-		-		
7	DD Name:		Code:	catcbl_7	Date accepted:	2001-05-31		
	Name:	ferry cable						

Value Data Dictionary (DD) Reference

Definition: a cable where a cable ferry is connected to

Attribute	Catego	ory of cargo (e	xcluding)			
Acronym:	lc_cce					Code:	18017
Use Type:	F						
Value Type	e: L						
Data Dictio	nary (DD) R	eference:					
DD Name:	IENC	Dat	e accep	ted: 2001-05-31			
Definition:	Excluding	list of categor	ies of ca	argo for the applicabilit	y of a feature		
Enumeratio	ons:						
Value	Data Dictio	nary (DD) Re	ference				
1	DD Name:	IENC	Code:	lc_cce_1	Date accepted:	2001-05-31	
	Name:	all types					
	Definition:						
2	DD Name:	IENC	Code:	lc_cce_2	Date accepted:	2001-05-31	
	Name:	other					
	Definition:						
4	DD Name:	IENC	Code:	lc_cce_4	Date accepted:	2001-05-31	
	Name:	bulk					
	Definition:	unpacked h	omogen	ous cargo poured loos	e in a certain spac	ce of a vessel e.g. oil or grain	
5	DD Name:	IENC	Code:	lc_cce_5	Date accepted:	2001-05-31	
	Name:	dry cargo					
	Definition:						
6	DD Name:	IENC	Code:	lc_cce_6	Date accepted:	2001-05-31	
	Name:	liquid cargo					
	Definition:						
7	DD Name:	IENC	Code:	lc_cce_7	Date accepted:	2001-05-31	
	Name:	liquid cargo					
	Definition:						

Value	Data Dictionary (DD) Reference									
8	DD Name: IENC Code: lc_cce_8 Date accepted: 2001-05- Name: liquid cargo (type C)									
	Definition:									
9	DD Name:	IENC	Code:	lc_cce_9	Date accepted:	2001-05-31				
	Name:	gas								
	Definition:									

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Attribute	Catego	ory of cargo (ir	ncluding))			
Acronym:	lc_cci					Code:	18016
Use Type:	F						
Value Type	:: L						
Data Dictio	nary (DD) R	eference:					
DD Name:	IENC	Dat	e accep	ted: 2001-05-31			
Definition:	Including I	ist of categori	es of ca	rgo for the applicability	of a feature		
Enumeratio	ons:						
Value	Data Dictio	nary (DD) Rei	ference				
1	DD Name:	IENC	Code:	lc_cci_1	Date accepted:	2001-05-31	
	Name:	all types					
	Definition:						
2	DD Name:	IENC	Code:	lc_cci_2	Date accepted:	2001-05-31	
	Name:	other					
	Definition:						
4	DD Name:	IENC	Code:	lc_cci_4	Date accepted:	2001-05-31	
	Name:	bulk					
	Definition:	unpacked he	omogen	ous cargo poured loos	e in a certain spac	ce of a vessel e.g. oil or grain	
5	DD Name:	IENC	Code:	lc_cci_5	Date accepted:	2001-05-31	
	Name:	dry cargo					
	Definition:						
6	DD Name:	IENC	Code:	lc_cci_6	Date accepted:	2001-05-31	
	Name:	liquid cargo					
	Definition:						
7	DD Name:	IENC	Code:	lc_cci_7	Date accepted:	2001-05-31	
	Name:	liquid cargo	(type N)				
	Definition:						

Value	Data Dictionary (DD) Reference									
8	DD Name: IENC Code: lc_cci_8 Date accepted: 2001-05-3									
	Name: liquid cargo (type C)									
	Definition:									
9	DD Name:	IENC	Code:	lc_cci_9	Date accepted:	2001-05-31				
	Name:	gas								
	Definition:									

Attribute	Category of CEMT class										
Acronym:	catccl					Code: 17068					
Use Type:	F										
Value Type	e: L										
Data Dictio	nary (DD) R	eference:									
DD Name:			e accep	ted: 2001-05-31							
Definition:	Category	of CEMT class	6								
Enumeratio	ons:										
	<u>.</u>										
Value	Data Dictio	nary (DD) Ref	erence								
1	DD Name:	IENC	Code:	catccl_1	Date accepted:	2001-05-31					
	Name:	0 small vess	0 small vessels and pleasure craft								
	Definition:	designated f	or small	vessels and pleasure	crafts only						
2	DD Name:	IENC	Code:	catccl_2	Date accepted:	2001-05-31					
	Name:	I peniche	I peniche								
	Definition: river Elbe)	designated f	or barge	es of type "Péniche" (v	vest of river Elbe)	or of type "Gross Finow" (east of					
3	DD Name:	IENC	Code:	catccl_3	Date accepted:	2001-05-31					
	Name:	II campine ba	arge								
	Definition: river Elbe)	designated f	or barge	es of type "Kempenaa	" (west of river Ell	be) or of type "BM-500" (east of					
4	DD Name:	IENC	Code:	catccl_4	Date accepted:	2001-05-31					
	Name:	III Dortmund	-Ems ba	arge							
	Definition: concerning	designated f the dimensior	-	• •	enigs" (west of rive	er Elbe) or of a similar type					
5	DD Name:	IENC	Code:	catccl_5	Date accepted:	2001-05-31					
	Name:	IV Rhine-Hei	rne barg	je							
	Definition:	designated f	or barge	es of type "Johann We	lker"						
6	DD Name:	IENC	Code:	catccl_6	Date accepted:	2001-05-31					

Value	Data Dictio	ionary (DD) Reference										
	Name:	Va Large Rh	√a Large Rhine barge; 1-barge push-tow unit									
	Definition:	designated	designated for barges of type "Large Rhine barge" or pushed convoys with									
7	DD Name:	IENC	Code:	catccl_7	Date accepted:	2001-05-31						
	Name:	Vb 2-barge p	oush-tow	v unit; long formation								
	Definition:	designated	for push	ed convoys with two b	arges, long format	lion						
8	DD Name:	IENC	Code:	catccl_8	Date accepted:	2001-05-31						
	Name:	Vla 2-barge	push-tov	w unit; wide formation								
	Definition:	designated	for push	ed convoys with two b	arges, wide forma	tion						
9	DD Name:	IENC	Code:	catccl_9	Date accepted:	2001-05-31						
	Name:	VIb 4-barge	VIb 4-barge push-tow unit									
	Definition:	designated	for push	ed convoys with four b	barges							
10	DD Name:	IENC	Code:	catccl_10	Date accepted:	2001-05-31						
	Name:	VIc 6-barge	push-tov	ish-tow unit								
	Definition:	designated	for push	ed convoys with six ba	arges							
11	DD Name:	IENC	Code:	catccl_11	Date accepted:	2001-05-31						
	Name:	No CEMT cl	ass									
	Definition:											
12	DD Name:	IENC	Code:	catccl_12	Date accepted:	2011-10-04						
	Name:	VII 9-barge p	oush-tow	vn unit								
	Definition:											

A	Ostan	mu of the also shot					
Attribute	Catego	ry of checkpoint					
Acronym:	catchp				Co	de:	17010
Use Type:	F						
Value Type	: L						
Data Diction	<u>nary (DD) R</u>	eference:					
DD Name:	IENC	Date accept	ted: 2001-05-31				
Definition:	Category	of checkpoint					
Enumeratio	ons:						
Value	Data Dictio	nary (DD) Reference					
1	DD Name:	IENC Code:	catchp_1	Date accepted:	2001-05-31		
	Name:	custom					
	Definition:		•		ected or administrated. (a	adapt	ed
	from the N	ew Shorter Oxford En	glish Dictionary, 1993)				
2	DD Name:	IENC Code:	catchp_2	Date accepted:	2001-05-31		
	Name:	border					
	Definition:	an office, at which in	nmigration control take	s place			

Attribute	Catego	ory of commur	nication			
Acronym:	catcom	ı				Code: 17069
Use Type:	F					
Value Type	e: L					
Data Dictio	onary (DD) R	eference:				
DD Name:			te accep	ted: 2001-0	5-31	
Definition:	Category	of communica	ition			
Enumeratio	ons:					
	<u>0110.</u>					
Value	Data Dictio	nary (DD) Re	ference			
1	DD Name:	IENC	Code:	catcom_1	Date accepted:	2001-05-31
	Name:	VTS centre				
	environme	nt authority, d	esigned es shoul	to improve the d have the cap	e safety and efficiency of	I. A VTS is a service implemented by vessel traffic and to protect the traffic and to respond to traffic
2	DD Name:	IENC	Code:	catcom_2	Date accepted:	2001-05-31
	Name:	VTS sector				
	Definition:	The service	area of	a VTS centre.		
3	DD Name:	IENC	Code:	catcom_3	Date accepted:	2001-05-31
	Name:	IVS point		_		
	Definition:	A reporting	point of	the "Informatie	en Volgsysteem voor de	Scheepvaart" in the Netherlands.
4	DD Name:	IENC	Code:	catcom_4	Date accepted:	2001-05-31
	Name:	MIB				
	Definition:	A reporting	point of	the "Melde- un	d Informationssystem Bi	nnenschifffahrt" in Germany.
5	DD Name:	IENC	Code [.]	catcom_5	Date accepted:	2001-05-31
5	Name:	lock	2000.	64.50m_0	Date accepted.	
			point for	vessels at a lo	ock.	
6	DD Name:					2001 05 21
6	Do Name:	IEING	Code:	catcom_6	Date accepted:	2001-05-31

Value	Data Dictio	nary (DD) Rei	ference			
	Name:	bridge				
	Definition:	A reporting	point for	vessels at a movable	bridge.	
7	DD Name:	IENC	Code:	catcom_7	Date accepted:	2001-05-31
	Name:	custom				
	Definition:	A reporting	point of t	he customs services f	or vessels.	
8	DD Name:	IENC	Code:	catcom_8	Date accepted:	2001-05-31
	Name:	harbour				
	Definition:	A reporting	point of a	a harbour.		
9	DD Name:	IENC	Code:	catcom_9	Date accepted:	2011-12-09
	Name:	WLAN area				
	Definition:	An area whe	ere free v	wireless network is av	ailable	

Attribute	Catego	ory of exceptiona	al struc	ture		
Acronym:	catexs					Code: 17100
Use Type:	F					
Value Type	e: E					
Data Dictio	<u>nary (DD) R</u>	eference:				
DD Name:	IENC	Date	accept	ed: 2001-05-31		
Definition:	Category	of exceptional na	avigati	onal structure		
Enumeratio	ons:					
Value	Data Dictio	onary (DD) Refer	rence			
1	DD Name:	IENC (Code:	catexs_1	Date accepted:	2001-05-31
	Name:	Lift-Lock				
	Definition:	A lock of which	h the lo	ock chamber itself i	s lifted vertically to le	vel with the next waterway section
2	DD Name:	IENC (Code:	catexs_2	Date accepted:	2001-05-31
	Name:	Aqueduct				
	Definition: properly ca	•			lucts), for conveying s Revised Unabridge	a canal over a river or hollow; more d Dictionary, 1913)
3	DD Name:	IENC (Code:	catexs_3	Date accepted:	2001-05-31
	Name:	Sloping plane	lock			
	Definition: waterway s		h the lo	ock chamber itself t	ravels over a sloping	plane to level with the next
4	DD Name:	IENC (Code:	catexs_4	Date accepted:	2001-05-31
	Name:	Water slope lo	ck (Pe	nte d'Eau)		
	Definition: moving gat waterway s	te, which is push				s formed by a sloping plane and slope to level with the next
5	DD Name:	IENC (Code:	catexs_5	Date accepted:	2001-05-31
	Name:	Other				

Attribute	Categor	ry of ferry							
Acronym:	catfry							Code:	17007
Use Type:	F								
Value Type:	E								
Data Dictior	nary (DD) Re	eference:							
DD Name:	IENC	Dat	te accept	ted: 2001-0	5-31				
Definition:	Category of	f ferry							
Enumeratio	ns:								
Value	Data Diction	hary (DD) Re	ference						
4	DD Name:	IENC	Code:	catfry_4		Date accepted:	2001-05-31		
	Name:	swinging wir	e ferry						
		-			-	hor in the middle nchor. The cable			-

]
Attribute	Category of fre	equency					
Acronym:	catfrq					Code:	18030
Use Type:	F						
Value Type	: L						
Data Dictio	nary (DD) Referenc	<u>e:</u>					
DD Name:	IENC	Date accept	ted: 2014-11-26				
Definition:	The electrical free	luency provide	d by the power supply	v station			
<u>Enumeratio</u>	ns:						
		_ ` _ `					
Value	Data Dictionary (D	D) Reference					
1	DD Name: IENC	Code:	catfrq_1	Date accepted:	2014-11-26		
	Name: 50Hz						
	Definition: 50 He	rtz					
2	DD Name: IENC	Code:	catfrq_2	Date accepted:	2014-11-26		
	Name: 60Hz						
	Definition: 60 He	rtz					

	I							
Attribute	Catego	ory of harbour a	area					
Acronym:	cathbr					Co	ode:	17070
Use Type:	F							
Value Type	e: L							
Data Dictio	nary (DD) R	eference:						
DD Name:	IENC	Date	e accept	ted: 2001-05-31				
Definition:	Category	of harbour						
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Refe	erence					
1	DD Name:	IENC	Code:	cathbr_1	Date accepted:	2001-05-31		
	Name:	custom harbo	bur					
	Definition:	A harbour that	at is adr	ministered by the cust	oms. It may be a fi	ree harbour.		
2	DD Name:	IENC	Code:	cathbr_2	Date accepted:	2001-05-31		
	Name:	port of refuge	•					
	Definition: mitigate lar rendered.					ental conditions or where new or the environment of		
3	DD Name:	IENC	Code:	cathbr_3	Date accepted:	2001-05-31		
	Name:	yacht harbou	r/marina	a				
	Definition:	a harbour wit	h faciliti	ies for small boats and	d yachts (IHO Dicti	ionary, S-32, 5th Edition	i, 309	5).
4	DD Name:	IENC	Code:	cathbr_4	Date accepted:	2001-05-31		
	Name:	fishing harbo	ur					
	Definition:	a harbour wit	h faciliti	ies for fishing boats.				
5	DD Name:	IENC	Code:	cathbr_5	Date accepted:	2001-05-31		
	Name:	private harbo	ur					
	Definition:	a harbour op	erated b	oy a private body.				

Attribute	Catego	ory of harbour fac	ility					
Acronym:	cathaf						Code:	17008
Use Type:	F							
Value Type	e: L							
Data Dictio	nary (DD) R	eference:						
DD Name:	IENC	Date a	ccept	ed: 2001-05-31				
Definition:	Category	of harbour facility						
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Refere	ence					
1	DD Name:	IENC C	ode:	cathaf_1	Date accepted:	2001-05-31		
	Name:	RoRo-terminal						
	Definition:	a terminal for ro	oll-on	roll-off ferries.				
3	DD Name:	IENC C	ode:	cathaf_3	Date accepted:	2001-05-31		
	Name:	ferry terminal						
	Definition:	a terminal for pa	assen	nger and vehicle ferrie	S.			
4	DD Name:	IENC C	ode:	cathaf_4	Date accepted:	2001-05-31		
	Name:	fishing harbour						
	Definition:	a harbour with f	faciliti	es for fishing boats.				
6	DD Name:	IENC C	ode:	cathaf_6	Date accepted:	2001-05-31		
	Name:	naval base			·			
	Definition:	a centre of oper	ration	s for naval vessels (a	dapted from The C	Collins Dictionary).		
7	DD Name:	IENC C	ode:	cathaf_7	Date accepted:	2001-05-31		
	Name:	tanker terminal						
	Definition:	a terminal for th	ne bull	k handling of liquid ca	rgoes.			
8	DD Name:	IENC C	ode:	cathaf_8	Date accepted:	2001-05-31		
	Name:	passenger term			•			
	Definition:			ding and unloading of	passengers.			

Value	Data Dictio	onary (DD) Rei	ference							
9	DD Name:	IENC	Code:	cathaf_9	Date accepted:	2001-05-31				
	Name:	shipyard								
	Definition:	a place whe	re ships	are built or repaired (I	HO Dictionary, S-	32, 5th Edition, 4686).				
10	DD Name:	IENC	Code:	cathaf_10	Date accepted:	2001-05-31				
	Name:	container ter	minal							
	Definition:	a terminal for container ships.								
11	DD Name:	IENC	Code:	cathaf_11	Date accepted:	2001-05-31				
	Name:	bulk termina	I							
	Definition:	a terminal fo	or the ha	ndling of bulk material	s such as iron ore	, coal, etc.				
12	DD Name:	IENC	Code:	cathaf_12	Date accepted:	2001-05-31				
	Name:	syncrolift								
	Definition: and out of	• •	owered	by synchronous electr	ic motors used to	lift vessels (larger than boats) in				
13	DD Name:	IENC	Code:	cathaf_13	Date accepted:	2001-05-31				
	Name:	straddle carr	ier							
	Definition: used for m			esigned to lift and carr stacking, shipping col	•	ssels within its own framework. It is els.				
16	DD Name:	IENC	Code:	cathaf_16	Date accepted:	2001-05-31				
	Name:	service and	repair							
	Definition: equipment		re mech	anical services or repa	airs can be underta	aken to engines or other vessel				
17	DD Name:	IENC	Code:	cathaf_17	Date accepted:	2001-05-31				
	Name:	quarantine s	tation							
	Definition:	A medical co			ated spot ashore v	where patients with contagious				

diseases from vessel in quarantine are taken.

Attribute	Catego	ry of hulk						
		<u>.</u>						
Acronym:	cathlk						Code:	17102
Use Type:	F							
Value Type:	L							
Data Diction	ary (DD) Re	eference:						
DD Name:	IENC	Date a	accept	ed: 2001-05-31				
Definition:	Category c	f hulk						
Enumeratior	<u>15:</u>							
Value	Data Dictior	hary (DD) Refer	ence					
1	DD Name:	IENC C	Code:	cathlk_1	Date accepted:	2001-05-31		
	Name:	floating restaur	ant					
	Definition:	a permanently	moore	ed floating structure, s	uch as an old ship	, used as a restaura	nt.	
2	DD Name:	IENC C	Code:	cathlk_2	Date accepted:	2001-05-31		
	Name:	historic ship						
	Definition:	a ship of histor	ical int	erest permanently mo	ored as a tourist a	attraction.		
3	DD Name:	IENC C	Code:	cathlk_3	Date accepted:	2001-05-31		
	Name:	museum						
	Definition:	a permanently	moore	ed floating structure, s	uch as an old ship	, used as a museum	I.	
4	DD Name:	IENC C	Code:	cathlk_4	Date accepted:	2001-05-31		
	Name:	accommodation	n					
	Definition:	a permanently	moore	ed floating structure, s	uch as an old ship	, used for accommo	dation.	
5	DD Name:	IENC C	Code:	cathlk_5	Date accepted:	2001-05-31		
	Name:	floating breakw		—				
	Definition:	-		ed floating structure, o	ften constructed fr	om old ships, used a	as a	
	breakwater.							
6	DD Name:	IENC C	Code:	cathlk_6	Date accepted:	2001-05-31		
	Name:	casino boat						

Value Data Dictionary (DD) Reference

Definition: a permanently moored floating structure, such as an old ship, used as a casino boat

Attribute	Catego	ory of lateral mark	‹			
Acronym:	catlam					Code: 17011
Use Type:	F					
Value Type						
	nary (DD) R					
DD Name:		Date a	ccept	ed: 2001-05-31		
Definition:	Category	of lateral mark				
Enumeratio	ons:					
Value	Data Dictio	nory (DD) Pofore				
value	Data Dictio	nary (DD) Refere	ence			
1	DD Name:	IENC C	ode:	catlam_1	Date accepted:	2001-05-31
	Name:	port-hand latera	al mar	k		
	Definition: the 'conver	indicates the po ntional direction o			al channel or sug	gested route when proceeding in
0			-	-	Dete eccente d	0004 05 04
2	DD Name: Name:	starboard-hand		catlam_2	Date accepted:	2001-05-31
	Definition:				national channel o	or suggested route when
				rection of buoyage'.	Jational channel o	suggested route when
3	DD Name:	IENC C	ode:	catlam_3	Date accepted:	2001-05-31
	Name:			starboard lateral mark		
	Definition:	at a point where	e a ch	annel divides, when p	roceeding in the 'o	conventional direction of buoyage',
	the preferre	ed channel (or pri	imary	route) is indicated by	a modified port-ha	and lateral mark.
4	DD Name:	IENC C	ode:	catlam_4	Date accepted:	2001-05-31
	Name:	preferred chanr	nel to j	port lateral mark		
	Definition:	•			-	conventional direction of buoyage',
	the preferre	ed channel (or pri	imary	route) is indicated by	a modified starboa	ard-hand lateral mark.
5	DD Name:	IENC C	ode:	catlam_5	Date accepted:	2001-05-31
	Name:	right-hand side	of the	waterway		
	Definition:	indicates the rig	ght-ha	nd side of the inland w	vaterway	

Value	Data Dictio	nary (DD) Ref	ry (DD) Reference								
6	DD Name:	IENC	Code:	catlam_6	Date accepted:	2001-05-31					
	Name:	left-hand side of the waterway									
	Definition:	indicates the	e left-har	nd side of the inland wa	aterway						
7	DD Name:	IENC	Code:	catlam_7	Date accepted:	2001-05-31					
	Name:	right-hand si	de of the	e channel							
	Definition:	indicates the	e right-ha	and side of a channel o	of an inland water	way					
8	DD Name:	IENC	Code:	catlam_8	Date accepted:	2001-05-31					
	Name:	left-hand side	e of the	channel							
	Definition:	indicates the	e left-har	nd side of a channel of	an inland waterwa	ау					
9	DD Name:	IENC	Code:	catlam_9	Date accepted:	2001-05-31					
	Name:	bifurcation of	f the wat	erway							
	Definition:	indicates a b	oifurcatio	on of the inland waterw	ray						
10	DD Name:	IENC	Code:	catlam_10	Date accepted:	2001-05-31					
	Name:	bifurcation of	f the cha	nnel							
	Definition:	indicates a b	oifurcatio	n of a channel of an ir	nland waterway						
11	DD Name:	IENC	Code:	catlam_11	Date accepted:	2001-05-31					
	Name:	channel near	r the righ	nt bank							
	Definition:	indicates that	at the cha	annel is near the right	bank						
12	DD Name:	IENC	Code:	catlam_12	Date accepted:	2001-05-31					
	Name:	channel near	r the left	bank							
	Definition:	indicates that	at the cha	annel is near the left b	ank						
13	DD Name:	IENC	Code:	catlam_13	Date accepted:	2001-05-31					
	Name:	channel cros	s-over to	o the right bank							
	Definition:	indicates that	at the cha	annel crosses from the	e left to the right ba	ank					
14	DD Name:	IENC	Code:	catlam_14	Date accepted:	2001-05-31					
	Name:	channel cros	s-over to	o the left bank							
	Definition:	indicates that	at the cha	annel crosses from the	e right to the left ba	ank					
15	DD Name:	IENC	Code:	catlam_15	Date accepted:	2001-05-31					

Value	Data Dictic	onary (DD) Reference		
	Name:	danger point or obstacles at the right-hand side		
	Definition:	indicates a danger point or obstacles at the right-hand side		
16	DD Name:	IENC Code: catlam_16 Date accepted: 2001-05-31		
	Name:	danger point or obstacles at the left-hand side		
	Definition:	indicates a danger point or obstacles at the left-hand side		
17	DD Name:	IENC Code: catlam_17 Date accepted: 2001-05-31		
	Name:	turn off at the right-hand side		
	Definition:	indicates a turn off at the right-hand side		
18	DD Name:	IENC Code: catlam_18 Date accepted: 2001-05-31		
	Name:	turn off at the left-hand side		
	Definition:	indicates a turn off at the left-hand side		
19	DD Name:	IENC Code: catlam_19 Date accepted: 2001-05-31		
	Name:	junction at the right-hand side		
	Definition:	indicates a junction at the right-hand side		
20	DD Name:	IENC Code: catlam_20 Date accepted: 2001-05-31		
	Name:	junction at the left-hand side		
	Definition:	indicates a junction at the left-hand side		
21	DD Name:	IENC Code: catlam_21 Date accepted: 2001-05-31		
	Name:	harbour entry at the right-hand side		
	Definition:	indicates a harbour entry at the right-hand side		
22	DD Name:	IENC Code: catlam_22 Date accepted: 2001-05-31		
	Name:	harbour entry at the left-hand side		
	Definition:	indicates a harbour entry at the left-hand side		
23	DD Name:	IENC Code: catlam_23 Date accepted: 2001-05-31		
	Name:	bridge pier mark		
	Definition:	indicates a bridge pier in a inland waterway		
24	DD Name:	IENC Code: catlam_24 Date accepted: 2013-01-01		
	Name:	entry from a lake to a narrower waterway, right bank		
	Definition:	indicates the right bank of the entry from a lake or a lake-like expansion to a section of the		

Value	Data Dictionary (DD) Reference					
	waterway v	which is narrow	wer			
25	DD Name:	IENC	Code:	catlam_25	Date accepted:	2013-01-01
	Name:	entry from a	lake to a	a narrower waterway,	left bank	
	Definition: waterway v	indicates the which is narrow		ik of the entry from a l	ake or a lakelike e	expansion to a section of the
26	DD Name:	IENC	Code:	catlam_26	Date accepted:	2013-12-30
	Name:	change banl	ĸ			
	Definition:					
27	DD Name:	IENC	Code:	catlam_27	Date accepted:	2013-12-30
	Name:	continue alo	ng bank			
	Definition:					

Attribute	Catego	ory of notice m	ark					
A							0.1	47050
Acronym:	catnmk	ζ.					Code:	17052
Use Type:	F							
Value Type	e: E							
Data Dictio	nary (DD) R	eference:						
DD Name:	IENC	Dat	e accep	ted: 2001-05-31				
Definition:	Category	of notice mark						
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Re	ference					
1	DD Name:	IENC	Code:	catnmk_1	Date accepted:	2001-05-31		
	Name:	(A.1) no entr	y (gene	ral sign)				
	Definition:	Prohibition r	nark A.1	: no entry (general sig	n) (Source: CEV	NI)		
2	DD Name:	IENC	Code:	catnmk_2	Date accepted:	2001-05-31		
	Name:	(A.1.1) secti	ons clos	ed to use, no entry ex	cept for non-motor	rized small craft		
	Definition:		nark A.1	.1: sections closed to	use, no entry exce	ept for non-motorized	d small cr	aft
	(Source: C	EVNI)						
3	DD Name:	IENC	Code:	catnmk_3	Date accepted:	2001-05-31		
	Name:	(A.2) no ove	rtaking					
	Definition:	Prohibition r	nark A.2	: no overtaking (Sour	ce: CEVNI)			
4	DD Name:	IENC	Code:	catnmk_4	Date accepted:	2001-05-31		
	Name:	(A.3) no ove	rtaking o	of convoys by convoys	i			
	Definition:	Prohibition r	nark A.3	: no overtaking of con	voys by convoys	(Source: CEVNI)		
5	DD Name:	IENC	Code:	catnmk_5	Date accepted:	2001-05-31		
	Name:	(A.4) no pas				-		
	Definition:	. , .	•	: no passing or overta	king (Source: CE	EVNI)		
C								
6	DD Name:			catnmk_6	Date accepted:			
	Name:	(A.5) no berl	ning on	the side of the waterw	ay on which the s	ign is placed		

Value	Data Dictio	Data Dictionary (DD) Reference				
	Definition: the waterw			: no berthing (i.e. no a s placed (Source: CE	-	ng fast to the bank) on the side of
7	DD Name:	IENC	Code:	catnmk_7	Date accepted:	2001-05-31
	Name:	(A.5.1) no b metres on th	-	n the stretch of water	whose breadth, m	easured from the sign, is shown in
	Definition: sign, is sho			.1: no berthing on the ign (Source: CEVNI)		hose breadth, measured from the
8	DD Name:	IENC	Code:	catnmk_8	Date accepted:	2001-05-31
	Name:	(A.6) no and	horing o	r trailing of anchors, c	ables or chains	
	Definition: waterway c			: no anchoring or trail aced (Source: CEVN	•	oles or chains on the side of the
9	DD Name:	IENC	Code:	catnmk_9	Date accepted:	2001-05-31
	Name:	(A.7) no ma	king fast	to the bank		
	Definition: is placed(Prohibition Source: CEV		: no making fast to the	e bank on the side	of the waterway on which the sign
10	DD Name:	IENC	Code:	catnmk_10	Date accepted:	2001-05-31
	Name:	(A.8) no turr	ning			
	Definition:	Prohibition 1	mark A.8	: no turning (Source:	CEVNI)	
11	DD Name:	IENC	Code:	catnmk_11	Date accepted:	2001-05-31
	Name:	(A.9) Do not	create v	vash		
	Definition:	Prohibition 1	mark A.9	: do not create wash I	ikely to cause dan	nage (Source: CEVNI)
12	DD Name:	IENC	Code:	catnmk_12	Date accepted:	2001-05-31
	Name:	(A.10) no pa	assing on	ı left side (in openings	of bridges or weir	s)
	Definition: CEVNI)	Prohibition 1	mark A.1	0: no passing on left s	side (in openings c	of bridges or weirs) (Source:
13	DD Name:	IENC	Code:	catnmk_13	Date accepted:	2001-05-31
	Name:	(A.10) no pa	assing or	n right side (in opening	s of bridges or we	irs)
	Definition: CEVNI)	Prohibition 1	mark A.1	0: no passing on right	side (in openings	of bridges or weirs) (Source:
14	DD Name:	IENC	Code:	catnmk_14	Date accepted:	2001-05-31
	Name:	(A.12) moto	rized cra	ft prohibited		

Definition: Prohibition mark A.12: motorized craft prohibited (Source: CEVNI)

Value	Data Dictio	ata Dictionary (DD) Reference				
15	DD Name:	IENC	Code:	catnmk_15	Date accepted:	2001-05-31
	Name:	(A.13) sports	and ple	easure craft prohibited		
	Definition:	Prohibition r	nark A.1	3: sports and pleasure	e craft prohibited (Source: CEVNI)
16	DD Name:	IENC	Code:	catnmk_16	Date accepted:	2001-05-31
	Name:	(A.14) water	skiing p	rohibited		
	Definition:	Prohibition n	nark A.1	4: water skiing prohibi	ted (Source: CE)	/NI)
17	DD Name:	IENC	Code:	catnmk_17	Date accepted:	2001-05-31
	Name:	(A.15) sailinę	g vessel	s prohibited		
	Definition:	Prohibition r	nark A.1	5: sailing vessels proh	ibited (Source: C	CEVNI)
18	DD Name:	IENC	Code:	catnmk_18	Date accepted:	2001-05-31
	Name:	(A.16) all cra	ft other	than motorized vessel	s or sailing craft p	rohibited
	Definition: CEVNI)	Prohibition n	nark A.1	6: all craft other than r	notorized vessels	or sailing craft prohibited (Source:
19	DD Name:	IENC	Code:	catnmk_19	Date accepted:	2001-05-31
	Name:	(A.17) use o	f sailboa	rds prohibited		
	Definition:	Prohibition r	nark A.1	7: use of sailboards pr	ohibited (Source:	CEVNI)
20	DD Name:	IENC	Code:	catnmk_20	Date accepted:	2001-05-31
	Name:	(A.20) water	bikes pi	rohibited		
	Definition:	Prohibition n	nark A.2	0: water bikes prohibit	ed (Source: CEV	/NI)
21	DD Name:	IENC	Code:	catnmk_21	Date accepted:	2001-05-31
	Name:	(A.18) end o prohibited	f zone a	uthorized for high spee	ed navigation of sr	mall sport and pleasure craft
	Definition: pleasure cr	Prohibition n aft prohibited			zed for high speed	d navigation of small sport and
22	DD Name:	IENC	Code:	catnmk_22	Date accepted:	2001-05-31
	Name:	(A.19) no lau	Inching	or beaching of vessels		
	Definition:	Prohibition r	nark A.1	9: no launching or bea	ching of vessels	(Source: CEVNI)
23	DD Name:	IENC	Code:	catnmk_23	Date accepted:	2001-05-31
	Name:	(B.1) procee	d in left	direction		

Definition: Regulation mark B.1: proceed in left direction (Source: CEVNI)

Value	Data Dictio	onary (DD) Refer	rence			
24	DD Name:	IENC (Code:	catnmk_24	Date accepted:	2001-05-31
	Name:	(B.1) proceed i	in right	direction		
	Definition:	Regulation ma	ark B.1:	: proceed in right direc	tion (Source: CE	EVNI)
25	DD Name:	IENC (Code:	catnmk_25	Date accepted:	2001-05-31
	Name:	(B.2a) move to	o the si	de of the fairway on yo	our port side	
	Definition:	Regulation ma	ark B.2a	a: move to the side of	the fairway on you	ur port side (Source: CEVNI)
26	DD Name:	IENC C	Code:	catnmk_26	Date accepted:	2001-05-31
	Name:	(B.2b) move to	o the si	de of the fairway on yo	our starboard side	
	Definition:	Regulation ma	ark B.2I	b: move to the side of	the fairway on you	ur starboard side (Source: CEVNI)
27	DD Name:	IENC C	Code:	catnmk_27	Date accepted:	2001-05-31
	Name:	(B.3a) keep on	n the si	de of the fairway on yo	our port side	
	Definition:	Regulation ma	ark B.3a	a: keep on the side of	the fairway on you	ur port side (Source: CEVNI)
28	DD Name:	IENC (Code:	catnmk_28	Date accepted:	2001-05-31
	Name:	(B.3b) keep on	n the si	de of the fairway on yo	our starboard side	
	Definition:	Regulation ma	ark B.3I	b: keep on the side of	the fairway on you	ur starboard side (Source: CEVNI)
29	DD Name:	IENC (Code:	catnmk_29	Date accepted:	2001-05-31
	Name:	(B.4a) cross fa	airway t	to port		
	Definition:	Regulation ma	ark B.4a	a: cross fairway to por	t (Source: CEVN	II)
30	DD Name:	IENC (Code:	catnmk_30	Date accepted:	2001-05-31
	Name:	(B.4b) cross fa	airway t	to starboard		
	Definition:	Regulation ma	ark B.4I	b: cross fairway to sta	rboard (Source: (CEVNI)
31	DD Name:	IENC (Code:	catnmk_31	Date accepted:	2001-05-31
	Name:	(B.5) stop as p	orescrib	bed in the regulations		
	Definition:	Regulation ma	ark B.5:	: stop as prescribed in	the regulations (Source: CEVNI)
32	DD Name:	IENC (Code:	catnmk_32	Date accepted:	2001-05-31
	Name:	(B.6) do not ex	ceed t	he speed indicated (in	ı km/h)	
	Definition:	Regulation ma	ark B.6	: do not exceed the sp	eed indicated (in I	km/h) (Source: CEVNI)
33	DD Name:	IENC C	Code:	catnmk_33	Date accepted:	2001-05-31

Value	Data Dictio	ta Dictionary (DD) Reference				
	Name:	(B.7) give a sound signal				
	Definition:	Regulation mark B.7: give a sound signal (Source: CEVNI)				
34	DD Name:	IENC Code: catnmk_34 Date accepted: 2001-05-31				
	Name:	(B.8) keep a particularly sharp lookout				
	Definition:	Regulation mark B.8: keep a particularly sharp lookout (Source: CEVNI)				
35	DD Name:	IENC Code: catnmk_35 Date accepted: 2001-05-31				
	Name:	(B.9a) do not enter the main waterway until certain that this will not oblige vessels proceeding on it to change their course or speed				
	Definition: vessels pro	Regulation mark B.9a: do not enter the main waterway until certain that this will not oblige oceeding on it to change their course or speed (Source: CEVNI)				
36	DD Name:	IENC Code: catnmk_36 Date accepted: 2001-05-31				
	Name:	(B.9b) do not cross the main waterway until certain that this will not oblige vessels proceeding on it to change their course or speed				
	Definition: vessels pro	Regulation mark B.9b: do not cross the main waterway until certain that this will not oblige oceeding on it to change their course or speed (Source: CEVNI)				
37	DD Name:	IENC Code: catnmk_37 Date accepted: 2001-05-31				
	Name:	(B.11) obligation to enter into a radiotelephone link on the channel as indicated on the board				
	Definition: on the boa	Regulation mark B.11: obligation to enter into a radiotelephone link on the channel as indicated rd (Source: CEVNI)				
38	DD Name:	IENC Code: catnmk_38 Date accepted: 2001-05-31				
	Name:	(C.1) depth of water limited				
	Definition:	Restriction mark C.1: depth of water limited (Source: CEVNI)				
39	DD Name:	IENC Code: catnmk_39 Date accepted: 2001-05-31				
	Name:	(C.2) headroom limited				
	Definition:	Restriction mark C.2: headroom limited (Source: CEVNI)				
40	DD Name:	IENC Code: catnmk_40 Date accepted: 2001-05-31				
	Name:	(C.3) width of passage or channel limited				
	Definition:	Restriction mark C.3: width of passage or channel limited (Source: CEVNI)				
41	DD Name:	IENC Code: catnmk_41 Date accepted: 2001-05-31				
	Name:	(C.4) there are restrictions on navigation				
	Definition:	Restriction mark C.4: there are restrictions on navigation: see the information plate below the				

Value	Data Dictionary (DD) Reference					
	sign (Sour	ce: CEVNI)				
42	DD Name:	IENC	Code:	catnmk_42	Date accepted:	2001-05-31
	Name:	(C.5) the cha	nnel lie:	s at a distance from th	e left bank	
	Definition: sign indica CEVNI)					left bank; the figure shown on the essels should keep. (Source:
43	DD Name:	IENC	Code:	catnmk_43	Date accepted:	2001-05-31
	Name:	(C.5) the cha	nnel lie:	s at a distance from th	e right bank	
	Definition: the sign inc CEVNI)					right bank; ; the figure shown on ch vessels should keep. (Source:
44	DD Name:	IENC	Code:	catnmk_44	Date accepted:	2001-05-31
	Name:	(D.1a) recom	mende	d channel in both direc	tions	
	Definition:	Recommend	lation m	ark D.1a: recommend	ed channel in both	directions (Source: CEVNI)
45	DD Name:	IENC	Code:	catnmk_45	Date accepted:	2001-05-31
	Name:	(D.1b) recom prohibited (at		•	irection indicated,	passage in the opposite direction
	Definition: the opposit			ark D.1b: recommende (at bridges) (Source:	•	the direction indicated, passage in
46	DD Name:	IENC	Code:	catnmk_46	Date accepted:	2001-05-31
	Name:	(D.2) you are	e recomi	mended to keep on rig	ht side (in opening	gs of bridges and weirs)
	Definition: bridges and	Recommenc d weirs) (Sour		•	nmended to keep	on right side (in openings of
47	DD Name:	IENC	Code:	catnmk_47	Date accepted:	2001-05-31
	Name:	(D.2) you are	e recomi	mended to keep on lef	t side (in openings	of bridges and weirs)
	Definition: and weirs)	Recommence (Source: CE)		ark D.2: you are recon	nmended to keep	on left side (in openings of bridges
48	DD Name:	IENC	Code:	catnmk_48	Date accepted:	2001-05-31
	Name:	(D.3) you are	e recomi	mended to proceed in	the left direction	
	Definition: CEVNI)	Recommenc	lation m	ark D.3: you are recon	nmended to proce	ed in the left direction (Source:
49	DD Name:	IENC	Code:	catnmk_49	Date accepted:	2001-05-31

Value	Data Dictic	nary (DD) Reference
	Name:	(D.3) you are recommended to proceed in the right direction
	Definition: CEVNI)	Recommendation mark D.3: you are recommended to proceed in the right direction (Source:
50	DD Name:	IENC Code: catnmk_50 Date accepted: 2001-05-31
	Name:	(E.1) entry permitted (general sign)
	Definition:	Information mark E.1: entry permitted (general sign) (Source: CEVNI)
51	DD Name:	IENC Code: catnmk_51 Date accepted: 2001-05-31
	Name:	(E.2) overhead cable crossing
	Definition:	Information mark E.2: overhead cable crossing (Source: CEVNI)
52	DD Name:	IENC Code: catnmk_52 Date accepted: 2001-05-31
	Name:	(E.3) weir
	Definition:	Information mark E.3: weir (Source: CEVNI)
53	DD Name:	IENC Code: catnmk_53 Date accepted: 2001-05-31
	Name:	(E.4a) ferry-boat not moving independently
	Definition:	Information mark E.4a: ferry-boat not moving independently (Source: CEVNI)
54	DD Name:	IENC Code: catnmk_54 Date accepted: 2001-05-31
	Name:	(E.4b) ferry-boat moving independently
	Definition:	Information mark E.4b: ferry-boat moving independently (Source: CEVNI)
55	DD Name:	IENC Code: catnmk_55 Date accepted: 2001-05-31
	Name:	(E.5) berthing (i.e. no anchoring or making fast to the bank) permitted
	Definition: side of the	Information mark E.5: berthing (i.e. no anchoring or making fast to the bank) permitted on the waterway on which the sign is placed (Source: CEVNI)
56	DD Name:	IENC Code: catnmk_56 Date accepted: 2001-05-31
	Name:	(E.5.1) berthing permitted on the stretch of water of the breadth measured from, and shown on the board in meters
	Definition: from, and s	Information mark E.5.1: berthing permitted on the stretch of water of the breadth measured shown on the board in meters (Source: CEVNI)
57	DD Name:	IENC Code: catnmk_57 Date accepted: 2001-05-31
	Name:	(E.5.2) berthing permitted on the stretch of water bounded by the distances measured from, and shown on the board in meters
	Definition:	Information mark E.5.2: berthing permitted on the stretch of water bounded by the distances

Value	Data Dictio	onary (DD) Ref	erence			
	measured	from, and show	wn on th	ne board in meters (S	ource: CEVNI)	
58	DD Name:	IENC	Code:	catnmk_58	Date accepted:	2001-05-31
	Name:	(E.5.3) maxir	num nu	mber of vessels perm	itted to berth abrea	ast
	Definition: the waterw			5.3: maximum numbe s placed (Source: Cl	•	ted to berth abreast on the side of
59	DD Name:	IENC	Code:	catnmk_59	Date accepted:	2001-05-31
	Name:	(E.5.4) berthi lights or blue	-	reserved for pushing	-navigation vessel	s that are not required to carry blue
	Definition: required to CEVNI)			•		navigation vessels that are not which the sign is placed (Source:
60	DD Name:	IENC	Code:	catnmk_60	Date accepted:	2001-05-31
	Name:	(E.5.5) berthi light or one b	-		-navigation vessel	s that are required to carry one blue
	Definition: to carry on CEVNI)			•		navigation vessels that are required hich the sign is placed (Source:
61	DD Name:	IENC	Code:	catnmk_61	Date accepted:	2001-05-31
	Name:	(E.5.6) berthi lights or two	-		-navigation vessel	s that are required to carry two blue
	Definition: to carry two CEVNI)			•		navigation vessels that are required which the sign is placed (Source:
62	DD Name:	IENC	Code:	catnmk_62	Date accepted:	2001-05-31
	Name:	(E.5.7) berthi blue lights or	-		-navigation vessel	s that are required to carry three
	Definition: to carry thr (Source: C	ee blue lights		•		navigation vessels that are required on which the sign is placed
63	DD Name:	IENC	Code:	catnmk_63	Date accepted:	2001-05-31
	Name:	, ,	-	reserved for vessels e lights or blue cones	other than pushin	g-navigation vessels that are not
			ired to c	•		ther than pushing-navigation e of the waterway on which the sign

Value	Data Dictio	onary (DD) Referer	nce		
64	DD Name:	IENC Co	ode: catnmk_64	Date accepted: 2001-05-	-31
	Name:	· · ·	area reserved for vessels one blue light or one blu	other than for pushing-navig e cone	ation vessels that are
			carry one blue light or one	erved for vessels other than p blue cone on the side of the	
65	DD Name:	IENC Co	ode: catnmk_65	Date accepted: 2001-05	-31
	Name:		g area reserved for vesse www.blue lights or two blu	ls other than for pushing-navi ie cones	gation vessels that are
			carry two blue lights or two	served for vessels other than o blue cones on the side of th	
66	DD Name:	IENC Co	ode: catnmk_66	Date accepted: 2001-05	-31
	Name:		g area reserved for vesse three blue lights or three	ls other than for pushing-navi blue cones	gation vessels that are
			carry three blue lights or the	served for vessels other than hree blue cones on the side c	
67	DD Name:	IENC Co	ode: catnmk_67	Date accepted: 2001-05	-31
	Name:	(E.5.12) berthing cones	g area reserved for all ves	sels that are not required to o	carry blue lights or blue
	Definition: blue lights		•	served for all vessels that are on which the sign is placed(
68	DD Name:	IENC Co	ode: catnmk_68	Date accepted: 2001-05	-31
	Name:	(E.5.13) berthing blue cone	g area reserved for all ves	sels that are required to carry	/ one blue light or one
	Definition: blue light o		•	served for all vessels that are y on which the sign is placed	
69	DD Name:	IENC Co	ode: catnmk_69	Date accepted: 2001-05	-31
	Name:	(E.5.14) berthing blue cones	g area reserved for all ves	sels that are required to carry	/ two blue lights or two
	Definition: blue lights		-	served for all vessels that are vay on which the sign is place	•
70	DD Name:	IENC Co	ode: catnmk_70	Date accepted: 2001-05	-31
	Name:	(E.5.15) berthing	g area reserved for all ves	sels that are required to carry	/ three blue lights or

Value	Data Dictio	Data Dictionary (DD) Reference			
		three blue cones			
	Definition: blue lights	Information mark E.5.15: berthing area reserved for all vessels that are required to carry three or three blue cones on the side of the waterway on which the sign is placed (Source: CEVNI)			
71	DD Name:	IENC Code: catnmk_71 Date accepted: 2001-05-31			
	Name:	(E.6) anchoring or trailing of anchors, cables or chains permitted			
	Definition: the waterw	Information mark E.6: anchoring or trailing of anchors, cables or chains permitted on the side of ray on which the sign is placed (Source: CEVNI)			
72	DD Name:	IENC Code: catnmk_72 Date accepted: 2001-05-31			
	Name:	(E.7) making fast to the bank permitted			
	Definition: the sign is	Information mark E.7: making fast to the bank permitted on the side of the waterway on which placed (Source: CEVNI)			
73	DD Name:	IENC Code: catnmk_73 Date accepted: 2001-05-31			
	Name:	(E.7.1) berthing area reserved for loading and unloading of vehicles			
	Definition: CEVNI)	Information mark E.7.1: berthing area reserved for loading and unloading of vehicles (Source:			
74	DD Name:	IENC Code: catnmk_74 Date accepted: 2001-05-31			
	Name:	(E.8) turning area			
	Definition:	Information mark E.8: turning area (Source: CEVNI)			
75	DD Name:	IENC Code: catnmk_75 Date accepted: 2001-05-31			
	Name:	(E.9a) crossing with secondary waterway ahead			
	Definition:	Information mark E.9a: crossing with secondary waterway ahead (Source: CEVNI)			
76	DD Name:	IENC Code: catnmk_76 Date accepted: 2001-05-31			
	Name:	(E.9b) secondary waterway ahead on the right			
	Definition:	Information mark E.9b: secondary waterway ahead on the right (Source: CEVNI)			
77	DD Name:	IENC Code: catnmk_77 Date accepted: 2001-05-31			
	Name:	(E.9c) secondary waterway ahead on the left			
	Definition:	Information mark E.9c: secondary waterway ahead on the left (Source: CEVNI)			
78	DD Name:	IENC Code: catnmk_78 Date accepted: 2001-05-31			
	Name:	(E.9d) secondary waterway ahead, main waterway on the right			
	Definition: CEVNI)	Information mark E.9d: secondary waterway ahead, main waterway on the right (Source:			

Value	Data Dictic	Data Dictionary (DD) Reference							
79	DD Name:	ENC Code: catnmk_79 Date accepted: 2001-05-31							
	Name:	E.9e) secondary waterway ahead, main waterway on the left							
	Definition: CEVNI)	nformation mark E.9e: secondary waterway ahead, main waterway on the left (Source:							
80	DD Name:	ENC Code: catnmk_80 Date accepted: 2001-05-31							
	Name:	E.9f) secondary waterway on the left, main waterway on the right							
	Definition: CEVNI)	nformation mark E.9f: secondary waterway on the left, main waterway on the right (Source:							
81	DD Name:	ENC Code: catnmk_81 Date accepted: 2001-05-31							
	Name:	E.9g) secondary waterway on the right, main waterway on the left							
	Definition: CEVNI)	nformation mark E.9g: secondary waterway on the right, main waterway on the left (Source:							
82	DD Name:	ENC Code: catnmk_82 Date accepted: 2001-05-31							
	Name:	E.9h) secondary waterway ahead and on the left, main waterway on the right							
	Definition: (Source: C	nformation mark E.9h: secondary waterway ahead and on the left, main waterway on the right VNI)							
83	DD Name:	ENC Code: catnmk_83 Date accepted: 2001-05-31							
	Name:	E.9i) secondary waterway ahead and on the right, main waterway on the left							
	Definition: (Source: C	nformation mark E.9i: secondary waterway ahead and on the right, main waterway on the left VNI)							
84	DD Name:	ENC Code: catnmk_84 Date accepted: 2001-05-31							
	Name:	E.10a) crossing with main waterway ahead							
	Definition:	nformation mark E.10a: crossing with main waterway ahead (Source: CEVNI)							
85	DD Name:	ENC Code: catnmk_85 Date accepted: 2001-05-31							
	Name:	E.10b) main waterway ahead							
	Definition:	nformation mark E.10b: main waterway ahead (Source: CEVNI)							
86	DD Name:	ENC Code: catnmk_86 Date accepted: 2001-05-31							
	Name:	E.10c) junction with main waterway ahead and right							
	Definition:	nformation mark E.10c: junction with main waterway ahead and right (Source: CEVNI)							
87	DD Name:	ENC Code: catnmk_87 Date accepted: 2001-05-31							
	Name:	E.10d) junction with main waterway ahead and left							

Value	Data Dictio	onary (DD) Referen	ce		
	Definition:	Information mark	E.10d: junction with ma	ain waterway ahead	and left (Source: CEVNI)
88	DD Name:	IENC Cod	de: catnmk_88	Date accepted:	2001-05-31
	Name:	(E.10e) junction v	with main waterway ahe	ad and right, secon	dary waterway on the left
	Definition: the left (So	Information mark ource: CEVNI)	E.10e: junction with ma	ain waterway ahead	and right, secondary waterway on
89	DD Name:	IENC Cod	de: catnmk_89	Date accepted:	2001-05-31
	Name:	(E.10f) junction w	vith main waterway ahea	ad and left, seconda	ry waterway on the right
	Definition: the right (\$	Information mark Source: CEVNI)	E.10f: junction with ma	in waterway ahead	and left, secondary waterway on
90	DD Name:	IENC Cod	de: catnmk_90	Date accepted:	2001-05-31
	Name:	(E.11) end of prol restriction	hibition or obligation ap	plying to traffic in or	e direction only, or end of a
	Definition: end of a re	Information mark striction (Source:	•	n or obligation apply	ing to traffic in one direction only, or
91	DD Name:	IENC Cod	de: catnmk_91	Date accepted:	2001-05-31
	Name:	(E.13) drinking wa	ater supply		
	Definition:	Information mark	E.13: drinking water su	ipply (Source: CE\	/NI)
92	DD Name:	IENC Cod	de: catnmk_92	Date accepted:	2001-05-31
	Name:	(E.14) telephone			
	Definition:	Information mark	E.14: telephone (Sour	ce: CEVNI)	
93	DD Name:	IENC Cod	de: catnmk_93	Date accepted:	2001-05-31
	Name:	(E.15) motorized	vessels permitted		
	Definition:	Information mark	E.15: motorized vessel	Is permitted (Sourc	e: CEVNI)
94	DD Name:	IENC Cod	de: catnmk_94	Date accepted:	2001-05-31
	Name:	(E.16) sport and p	pleasure craft permitted		
	Definition:	Information mark	E.16: sport and pleasu	re craft permitted (Source: CEVNI)
95	DD Name:	IENC Cod	de: catnmk_95	Date accepted:	2001-05-31
	Name:	(E.17) water skiin	ng permitted		
	Definition:	Information mark	E.17: water skiing pern	nitted (Source: CE	VNI)
96	DD Name:	IENC Cod	de: catnmk_96	Date accepted:	2001-05-31

Value	Data Dictic	Data Dictionary (DD) Reference						
	Name:	(E.18) sailing vessels permitted						
	Definition:	Information mark E.18: sailing vessels permitted (Source: CEVNI)						
97	DD Name:	IENC Code: catnmk_97 Date accepted: 2001-05-31						
	Name:	(E.19) craft other than motorized vessels or sailing craft permitted						
	Definition: CEVNI)	Information mark E.19: craft other than motorized vessels or sailing craft permitted (Source:						
98	DD Name:	IENC Code: catnmk_98 Date accepted: 2001-05-31						
	Name:	(E.20) use of sailboards permitted						
	Definition:	Information mark E.20: use of sailboards permitted (Source: CEVNI)						
99	DD Name:	IENC Code: catnmk_99 Date accepted: 2001-05-31						
	Name:	(E.23) possibility of obtaining nautical information by radiotelephone on the channel indicated						
	Definition: channel ind	Information mark E.23: possibility of obtaining nautical information by radiotelephone on the dicated (Source: CEVNI)						
100	DD Name:	IENC Code: catnmk_100 Date accepted: 2001-05-31						
	Name:	(E.24) water bikes permitted						
	Definition:	Information mark E.24: water bikes permitted (Source: CEVNI)						
101	DD Name:	IENC Code: catnmk_101 Date accepted: 2001-05-31						
	Name:	(E.21) zone authorized for high speed navigation of small sport and pleasure craft						
	Definition: craft (Sou	Information mark E.21: zone authorized for high speed navigation of small sport and pleasure rce: CEVNI)						
102	DD Name:	IENC Code: catnmk_102 Date accepted: 2001-05-31						
	Name:	(E.22) launching or beaching of small craft permitted						
	Definition:	Information mark E.22: launching and beaching of small craft permitted (Source: CEVNI)						
103	DD Name:	IENC Code: catnmk_103 Date accepted: 2009-09-11						
	Name:	(BR) proceed close to the margin on your port side						
	Definition:	regulation mark (BR): proceed close to the margin on your port side						
104	DD Name:	IENC Code: catnmk_104 Date accepted: 2009-09-11						
	Name:	(BR) proceed close to the margin on your starboard side						
	Definition:	regulation mark (BR): proceed close to the margin on your starboard side						
105	DD Name:	IENC Code: catnmk_105 Date accepted: 2009-09-11						

Value	Data Dictior	victionary (DD) Reference							
	Name:	(BR) proceed	d in the n	niddle of the river					
	Definition:	regulation m	ark (BR)	: proceed in the middle	e of the river				
106	DD Name:	IENC	Code:	catnmk_106	Date accepted:	2009-09-11			
	Name:	(BR) cross riv	ver to po	ort					
	Definition:	regulation m	ark (BR)	: cross river to port					
107	DD Name:	IENC	Code:	catnmk_107	Date accepted:	2009-09-11			
	Name:	(BR) cross riv	ver to sta	arboard					
	Definition:	regulation m	ark (BR)	cross river to starboa	ard				
108	DD Name:	IENC	Code:	catnmk_108	Date accepted:	2009-09-11			
	Name:	(BR) traffic b	etween r	margins					
	Definition:	information r	nark (BF	R): traffic between mar	gins				
109	DD Name:	IENC	Code:	catnmk_109	Date accepted:	2009-09-11			
	Name:	(BR) reduce	speed						
	Definition:	regulation m	ark (BR)	: reduce speed					
110	DD Name:	IENC	Code:	catnmk_110	Date accepted:	2009-09-11			
	Name:	wreck pontoo	on, passa	age allowed on side sł	nowing red-white s	sign			
	Definition: (without wa		-	wn on a wreck pontoor d sign on the side on v		de on which passage is permitted not permitted			
111	DD Name:	IENC	Code:	catnmk_111	Date accepted:	2009-09-11			
	Name:	wreck pontoo	on, passa	age allowed on both si	des				
	Definition: (without wa	red-white sig sh of waves)	Ins show	vn on a wreck pontoon	to indicate that pa	assage is permitted on both sides			
112	DD Name:	IENC	Code:	catnmk_112	Date accepted:	2009-12-09			
	Name:	no passing o	r overtak	king of convoys					
	Definition:	Russian noti	ce mark	: 1.2, no passing or ov	ertaking of convoy	/S			
113	DD Name:	IENC	Code:	catnmk_113	Date accepted:	2009-12-09			
	Name:	small crafts p	orohibite	d					
	Definition:	Russian noti	ce mark	: 1.5, small crafts proh	ibited				
114	DD Name:	IENC	Code:	catnmk_114	Date accepted:	2009-12-09			

Value		nary (DD) Refe				
	Name:	Attention! (Ke	ep caut	tion)		
	Definition:	Russian notio	ce mark	: 2.1, Attention! (keep	caution)	
115	DD Name:	IENC	Code:	catnmk_115	Date accepted:	2009-12-09
	Name:	fairway cross	ing			
	Definition:	Russian notio	ce mark	: 2.2, fairway crossing		
116	DD Name:	IENC	Code:	catnmk_116	Date accepted:	2009-12-09
	Name:	shipping insp	ection p	oint		
	Definition:	Russian notio	ce mark	: 3.3, shipping inspecti	on point	
117	DD Name:	IENC	Code:	catnmk_117	Date accepted:	2014-10-20
	Name:	(E.25) electrie	cal powe	er supply point		
	Definition:	Information n	nark E.2	25: electrical power sup	oply point (Source	e: CEVNI)
118	DD Name:	IENC	Code:	catnmk_118	Date accepted:	2014-10-20
	Name:	(E.26) winter			·	
	Definition:	. ,		26: winter harbour (So	urce: CEVNI)	
110				·		2011 10 20
119	DD Name:			catnmk_119	Date accepted:	
	Name:			umber of vessels perm		
	Definition: (Source: C		nark E.2	26.1: maximum numbe	r of vessels permi	tted to berth in winter harbour
120	DD Name:	IENC	Code:	catnmk_120	Date accepted:	2014-10-20
	Name:	(E.27) winter	shelter			
	Definition:	Information n	nark E.2	?7: winter shelter (Sou	ırce: CEVNI)	
121	DD Name:	IENC	Code:	catnmk_121	Date accepted:	2014-10-20
	Name:	vessels perm	itted to I	umber of vessels perm berth abreast; rows of vessels which		inter shelter; maximum number of ast
			sels perr	mitted to berth abreast	•	tted to berth in winter shelter; er of rows of vessels which are
122	DD Name:	IENC	Code:	catnmk_122	Date accepted:	2014-10-20
	Name:	(E.6.1) use of	f spuds	permitted		
	D (1)/					

Value Data Dictionary (DD) Reference

 123
 DD Name:
 IENC
 Code:
 catnmk_123
 Date accepted:
 2019-03-12

 Name:
 (B.12) obligation to use onshore power supply point

 Definition
 Definition
 Definition

Definition: Regulation mark B.12: obligation to use onshore power supply point (all vessels are obligated to use the power supply for their electrical power needs) (Source: CEVNI)

Attribute	Category of plug	
Acronym:	catplg	Code: 18034
Use Type:	F	
Value Type:	Т	

Data Dictionary (DD) Reference:

DD Name:	IENC	Date accepted:	2014-11-26
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Definition: The type of plug(s) available at the power supply station.

Attribute	Catego	Category of refuse dump									
Acronym:	catrfd						Code:	17071			
-							Coue.	17071			
Use Type:	F										
Value Type	:: L										
Data Diction	Data Dictionary (DD) Reference:										
DD Name:	IENC	Date	e accept	ted: 2001-05-31							
Definition:	Category	of refuse dump)								
Enumeratio	200										
<u>Enumeratio</u>	<u>///5.</u>										
Value	Data Dictio	nary (DD) Ref	erence								
1	DD Name:	IENC	Code:	catrfd_1	Date accepted:	2001-05-31					
	Name:	cargo residue	e/slop								
	Definition:	-	-	els can dispose of car	go residues and/o	r slops.					
0		-		-	-	-					
2	DD Name:		Code:	catrfd_2	Date accepted:	2001-05-31					
	Name:	waste oil									
	Definition:	A facility whe	ere vess	els can dispose of was	ste oil.						
3	DD Name:	IENC	Code:	catrfd_3	Date accepted:	2001-05-31					
	Name:	grey/black wa	ater								
	Definition:	A facility whe	ere vess	els can dispose of gre	y and/or black wa	ste water.					
4	DD Name:	IENC	Code	catrfd_4	Date accepted:	2001-05-31					
7	Name:	domestic refu				2001 00-01					
	Definition:			els can dispose of dor	nastic refuse						
		A lacility write		eis can dispose of dor	1103116 1011030.						

Attribute	Catego	ory of rescue s	tation			
Acronym:	catrsc					Code: 17106
Use Type:	F					
Value Type	:: L					
Data Dictio	nary (DD) R	eference:				
DD Name:			e accep	ted: 2010-09-17		
Definition:	Category	of rescue stati	on			
Enumeratio	ons:					
Value	Data Dictio	nary (DD) Ref	erence			
1	DD Name:	IENC	Code:	catrsc_1	Date accepted:	2010-09-17
	Name:	rescue statio	n with li	fe boat		
	Definition:	•		•		; the type of lifeboat may vary from
	fast, long d	istance doats	to inflata	able inshore boats. (IH	IO Chart Specifica	itions, M-4).
2	DD Name:			catrsc_2	Date accepted:	2010-09-17
	Name:	rescue statio				
	Definition: S-32, 5th E	rocket - a py dition, 4418).	rotechni	ic projectile used for s	ignalling or for life	-saving purposes. (IHO Dictionary,
3	DD Name:	IENC	Code:	catrsc_3	Date accepted:	2010-09-17
	Name:	not in use				
	Definition:					
4	DD Name:	IENC	Code:	catrsc_4	Date accepted:	2010-09-17
	Name:	refuge for sh	ip-wrecł	ked mariners		
	Definition:	shelter or pr	otection	from danger or distre	ss at sea.	
5	DD Name:	IENC	Code:	catrsc_5	Date accepted:	2010-09-17
	Name:	refuge for int	ertidal a	rea walkers		
	Definition: streams.	shelter or pr	otection	from danger in areas	exposed to extren	ne and sudden tides or tidal
6	DD Name:	IENC	Code:	catrsc_6	Date accepted:	2010-09-17

Value	Data Dictio	nary (DD) Rei	ary (DD) Reference						
	Name:	lifeboat lying	eboat lying at a mooring						
	Definition:	a place whe	re a lifeb	ooat is moored ready f	or use.				
7	DD Name:	IENC	Code:	catrsc_7	Date accepted:	2010-09-17			
	Name:	aid radio sta	tion						
	Definition:	a radio statio	on reserv	ved for emergency situ	uations, might also	be a public telephone.			
8	DD Name:	IENC	Code:	catrsc_8	Date accepted:	2010-09-17			
	Name:	first aid equi	pment						
	Definition:	a place whe	place where first aid equipment is available.						
9	DD Name:	IENC	Code:	catrsc_9	Date accepted:	2010-09-17			
	Name:	lifebuoy, ring	j buoy, li	fe ring, life saver					
	Definition: buoyancy a	a "kisby ring and to prevent	•		be thrown to a pers	son in the water, to provide			

Attribute	Catego	ry of sensor						
L	I							
Acronym:	catsen						Code:	18019
Use Type:	F							
Value Type	:: L							
Data Dictio	nary (DD) R	eference:						
DD Name:	IENC	Date a	accepted:	2011-12-19				
Definition:	Category		•					
	<u>-</u> g,							
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Refere	ence					
Value	Data Diotio		chice					
1	DD Name:	IENC C	Code: ca	atsen_1	Date accepted:	2011-12-19		
	Name:	light activated						
	Definition:	A sensor which	n is activa	ated by a spotlight				
2	DD Name:		Code: ca	taan 2	Data accented:	2011 12 10		
2				alsen_2	Date accepted:	2011-12-19		
	Name:	telephone activ	vated					
	Definition:	A sensor which	n is activa	ated by telephone				

Attribute	Catego	ory of ship (exc	luding)					
Acronym:	lc_cse						Code:	18013
Use Type:	F							
Value Type	: L							
Data Diction	nary (DD) R	eference:						
DD Name:	IENC	Date	e accept	ed: 2001-05-31				
Definition:								
<u>Enumeratio</u>	ins:							
Value	Data Dictio	nary (DD) Refe	erence					
1	DD Name:	IENC	Code:	lc_cse_1	Date accepted:	2001-05-31		
	Name:	all types						
	Definition:							
2	DD Name:	IENC	Code:	lc_cse_2	Date accepted:	2001-05-31		
	Name:	other						
	Definition:							
3	DD Name:	IENC	Code:	lc_cse_3	Date accepted:	2001-05-31		
	Name:	non-motorize	d vesse	1				
	Definition:							
5	DD Name:	IENC	Code:	lc_cse_5	Date accepted:	2001-05-31		
	Name:	craft						
	Definition:	a vessel or it	em of flo	pating equipment				
6	DD Name:	IENC	Code:	lc_cse_6	Date accepted:	2001-05-31		
	Name:	vessel						
	Definition:	an inland wa	terway	vessel or sea going sh	ip			
7	DD Name:	IENC	Code:	lc_cse_7	Date accepted:	2001-05-31		
	Name:	inland waterv			-			
	Definition	a vascal into		lely or mainly for navig	nation on inland w	atorwaye		

8 DD Name: IENC Code:: Ic_cse_8 Date accepted:: 2001-05-31 Name: sea going service: Definition: a vessel c=tificated for sea-going service: Sea accepted:: 2001-05-31 9 DD Name: IENC Code:: Ic_cse_9 Date accepted:: 2001-05-31 Name: motor vessel
Definition: a vessel certificated for sea-going service 9 DD Name: IENC Code: lc_cse_9 Date accepted: 2001-05-31 Name: motor vessel Definition: a motor cargo vessel or a motor tanker Date accepted: 2001-05-31 10 DD Name: IENC Code: lc_cse_10 Date accepted: 2001-05-31
9 DD Name: IENC Code: Ic_cse_9 Date accepted: 2001-05-31 Name: motor vessel notor vessel Definition: a motor cargo vessel or a motor tanker 10 DD Name: IENC Code: Ic_cse_10 Date accepted: 2001-05-31
Name: motor vessel Definition: a motor cargo vessel or a motor tanker 10 DD Name: IENC Code: Ic_cse_10 Date accepted: 2001-05-31
Definition: a motor cargo vessel or a motor tanker10DD Name: IENCCode: lc_cse_10Date accepted: 2001-05-31
10 DD Name: IENC Code: lc_cse_10 Date accepted: 2001-05-31
Name: motor tanker
Definition: a vessel intended for the carriage of goods in fixed tanks and built to navigate independently under its own motive power
11 DD Name: IENC Code: lc_cse_11 Date accepted: 2001-05-31
Name: motor cargo vessel
Definition: a vessel, other than a motor tanker, intended for the carriage of goods and built to navigate independently under its own motive power
12 DD Name: IENC Code: lc_cse_12 Date accepted: 2001-05-31
Name: canal barge
Definition: an inland waterway vessel not exceeding 38.5 m in length and 5.05 m in breadth and usually operating on the Rhine-Rhône-Canal
13 DD Name: IENC Code: lc_cse_13 Date accepted: 2001-05-31
Name: tug
Definition: a vessel specially built to perform towing operations
14 DD Name: IENC Code: lc_cse_14 Date accepted: 2001-05-31
Name: pusher
Definition: a vessel specially built to propel a pushed convoy
15 DD Name: IENC Code: lc_cse_15 Date accepted: 2001-05-31
Name: barge
Definition: a dumb barge or tank barge
16 DD Name: IENC Code: lc_cse_16 Date accepted: 2001-05-31
Name: tank barge
Definition: a vessel intended for the carriage of goods in fixed tanks and built to be towed, either having no

motive power of its own or having only sufficient motive power to perform restricted manoeuvres 17 DD Name: IENC Code: Ic_cse_17 Date accepted: 2001-05-31 Name: dumb barge Definition: a vessel, other than a tank barge, intended for the carriage of goods and built to be towed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres 18 DD Name: IENC Code: Ic_cse_18 Date accepted: 2001-05-31 Name: lighter Isighter Date accepted: 2001-05-31 Name: lighter Isighter Isighter 19 DD Name: IENC Code: Ic_cse_19 Date accepted: 2001-05-31 Name: tank lighter, cargo lighter or ship borne lighter Isighter Isighter Isighter 19 DD Name: IENC Code: Ic_cse_19 Date accepted: 2001-05-31 Name: tank lighter, isighter on potive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 200 DD Name: IENC Code: Ic_cse_20 Date accepted: 2001-05-31 Name: cargo lighte
Name: dumb barge Definition: a vessel, other than a tank barge, intended for the carriage of goods and built to be towed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres 18 DD Name: IENC Code: Ic_cse_18 Date accepted: 2001-05-31 Name: lighter Definition: a tank lighter, cargo lighter or ship borne lighter Date accepted: 2001-05-31 19 DD Name: IENC Code: Ic_cse_19 Date accepted: 2001-05-31 Name: tank lighter Definition: a vessel intended for the carriage of goods in fixed tanks, built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 20 DD Name: IENC Code: Ic_cse_20 Date accepted: 2001-05-31 20 DD Name: IENC Code: Ic_cse_20 Date accepted: 2001-05-31 20 DD Name: IENC Code: Ic_cse_20 Date accepted: 2001-05-31 20 DD Name: IENC Code: Ic_cse_20 Date accepted: 2001-05-31 20
Name: dumb barge Definition: a vessel, other than a tank barge, intended for the carriage of goods and built to be towed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres 18 DD Name: IENC Code: Ic_cse_18 Date accepted: 2001-05-31 Name: lighter Definition: a tank lighter, cargo lighter or ship borne lighter Date accepted: 2001-05-31 19 DD Name: IENC Code: Ic_cse_19 Date accepted: 2001-05-31 Name: tank lighter Definition: a vessel intended for the carriage of goods in fixed tanks, built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 20 DD Name: IENC Code: Ic_cse_20 Date accepted: 2001-05-31 20 DD Name: IENC Code: Ic_cse_20 Date accepted: 2001-05-31 20 DD Name: IENC Code: Ic_cse_20 Date accepted: 2001-05-31 20 DD Name: IENC Code: Ic_cse_20 Date accepted: 2001-05-31 20
either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres 18 DD Name: IENC Code: lc_cse_18 Date accepted: 2001-05-31 Name: lighter Definition: a tank lighter, cargo lighter or ship borne lighter 19 DD Name: IENC Code: lc_cse_19 Date accepted: 2001-05-31 Name: tank lighter Definition: a vessel intended for the carriage of goods in fixed tanks, built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 20 DD Name: IENC Code: lc_cse_20 Date accepted: 2001-05-31 Name: cargo lighter Definition: a vessel, other than a tank lighter, intended for the carriage of goods and built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 21 DD Name: IENC Code: lc_cse_21 Date accepted: 2001-05-31 Name: ship borne lighter
Name: lighter Definition: a tank lighter, cargo lighter or ship borne lighter 19 DD Name: IENC Code: lc_cse_19 Date accepted: 2001-05-31 Name: tank lighter Definition: a vessel intended for the carriage of goods in fixed tanks, built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 20 DD Name: IENC Code: lc_cse_20 Date accepted: 2001-05-31 Name: cargo lighter Definition: a vessel, other than a tank lighter, intended for the carriage of goods and built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 21 DD Name: IENC Code: lc_cse_21 Date accepted: 2001-05-31 Name: ship borne lighter Subsection of a pushed convoy Subsection of a pushed convoy Subsection of a pushed convoy
Definition: a tank lighter, cargo lighter or ship borne lighter 19 DD Name: IENC Code: lc_cse_19 Date accepted: 2001-05-31 Name: tank lighter Definition: a vessel intended for the carriage of goods in fixed tanks, built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 20 DD Name: IENC Code: lc_cse_20 Date accepted: 2001-05-31 Name: cargo lighter Code: lc_cse_20 Date accepted: 2001-05-31 Name: cargo lighter cargo lighter Definition: a vessel, other than a tank lighter, intended for the carriage of goods and built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 21 DD Name: IENC Code: lc_cse_21 Date accepted: 2001-05-31 Name: ship borne lighter ship borne lighter State accepted: 2001-05-31
19 DD Name: IENC Code: Ic_cse_19 Date accepted: 2001-05-31 Name: tank lighter Definition: a vessel intended for the carriage of goods in fixed tanks, built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 20 DD Name: IENC Code: Ic_cse_20 Date accepted: 2001-05-31 Name: cargo lighter Definition: a vessel, other than a tank lighter, intended for the carriage of goods and built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 21 DD Name: IENC Code: Ic_cse_21 Date accepted: 2001-05-31 Name: ship borne lighter Souther than a tank lighter, intended for the carriage of goods and built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 21 DD Name: IENC Code: Ic_cse_21 Date accepted: 2001-05-31 Name: ship borne lighter Souther Souther Souther Souther Souther
Name: tank lighter Definition: a vessel intended for the carriage of goods in fixed tanks, built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 20 DD Name: IENC Code: Ic_cse_20 Date accepted: 2001-05-31 Name: cargo lighter Definition: a vessel, other than a tank lighter, intended for the carriage of goods and built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 21 DD Name: IENC Code: Ic_cse_21 Date accepted: 2001-05-31 Name: ship borne lighter
 Definition: a vessel intended for the carriage of goods in fixed tanks, built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy DD Name: IENC Code: lc_cse_20 Date accepted: 2001-05-31 Name: cargo lighter Definition: a vessel, other than a tank lighter, intended for the carriage of goods and built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy DD Name: IENC Code: lc_cse_21 Date accepted: 2001-05-31 Name: ship borne lighter
pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 20 DD Name: IENC Code: lc_cse_20 Date accepted: 2001-05-31 Name: cargo lighter Definition: a vessel, other than a tank lighter, intended for the carriage of goods and built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 21 DD Name: IENC Code: lc_cse_21 Date accepted: 2001-05-31 Name: ship borne lighter
Name: cargo lighter Definition: a vessel, other than a tank lighter, intended for the carriage of goods and built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 21 DD Name: IENC Code: lc_cse_21 Date accepted: 2001-05-31 Name: ship borne lighter
Definition: a vessel, other than a tank lighter, intended for the carriage of goods and built or specially modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy 21 DD Name: IENC Code: lc_cse_21 Date accepted: 2001-05-31 Name: ship borne lighter
 modified to be pushed, either having no motive power of its own or having only sufficient motive power to perform restricted manoeuvres when not part of a pushed convoy DD Name: IENC Code: lc_cse_21 Date accepted: 2001-05-31 Name: ship borne lighter
Name: ship borne lighter
Definition: a lighter built to be carried aboard sea going ships and to navigate on inland waterways
22 DD Name: IENC Code: lc_cse_22 Date accepted: 2001-05-31
Name: passenger vessel
Definition: a day trip or cabin vessel constructed and equipped to carry more than 12 passengers
23 DD Name: IENC Code: lc_cse_23 Date accepted: 2001-05-31
Name: passenger sailing vessel
Definition: a passenger vessel fitted out mainly with a view to propulsion under sail
24 DD Name: IENC Code: lc_cse_24 Date accepted: 2001-05-31
Name: day trip vessel
Definition: a passenger vessel without overnight passenger cabins

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Value	Data Dictic	onary (DD) Rei	ference			
25	DD Name:	IENC	Code:	lc_cse_25	Date accepted:	2001-05-31
	Name:	cabin vessel				
	Definition:	a passengei	r vessel	with overnight passen	ger cabins	
26	DD Name:	IENC	Code:	lc_cse_26	Date accepted:	2001-05-31
	Name:	High-speed	vessel			
	Definition:	a motorised	vessel o	capable of reaching sp	eeds over 40km/h	with respect to water
27	DD Name:	IENC	Code:	lc_cse_27	Date accepted:	2001-05-31
	Name:	floating equi	pment			
	Definition: elevators	a floating ins	stallatior	n carrying working gea	r such as cranes,	dredging equipment, pile drivers or
28	DD Name:	IENC	Code:	lc_cse_28	Date accepted:	2001-05-31
	Name:	worksite crat	ft			
		•		ely built and equipped on or stone-dumping v		es, such as a reclamation barge,
29	DD Name:	IENC	Code:	lc_cse_29	Date accepted:	2001-05-31
	Name:	recreational	craft			
	Definition:	a vessel oth	er than a	a passenger vessel, in	tended for sport o	r pleasure
30	DD Name:	IENC	Code:	lc_cse_30	Date accepted:	2001-05-31
	Name:	Dinghy				
	Definition:	a boat for us	se in trar	nsport, rescue, salvage	e and work duties	
31	DD Name:	IENC	Code:	lc_cse_31	Date accepted:	2001-05-31
	Name:	floating esta	blishme	nt		
	Definition: jetty or boa	, 0	installat	ion not normally intend	ded to be moved, s	such as a swimming bath, dock,
32	DD Name:	IENC	Code:	lc_cse_32	Date accepted:	2001-05-31
	Name:	floating obje	ct			
	Definition: equipment	a raft or othe or establishm		ure, object or assembl	y capable of navig	ation, not being a vessel or floating

Attribute	Catego	ory of ship (inclu	uding)					
Acronym:	lc_csi						Code:	18012
Use Type:	F							
Value Type	e: L							
Data Dictio	nary (DD) R	eference:						
DD Name:	IENC	Date	accept	ed: 2001-05-31				
Definition:								
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Refe	erence					
1	DD Name:	IENC	Code:	lc_csi_1	Date accepted:	2001-05-31		
	Name:	all types						
	Definition:							
2	DD Name:	IENC	Code:	lc_csi_2	Date accepted:	2001-05-31		
	Name:	other						
	Definition:							
3	DD Name:	IENC	Code:	lc_csi_3	Date accepted:	2001-05-31		
	Name:	non-motorized	d vesse	I				
	Definition:	non-motorize	d vesse	9I				
5	DD Name:	IENC	Code:	lc_csi_5	Date accepted:	2001-05-31		
	Name:	craft						
	Definition:	a vessel or ite	em of flo	pating equipment				
6	DD Name:	IENC	Code:	lc_csi_6	Date accepted:	2001-05-31		
	Name:	vessel						
	Definition:	an inland wat	erway	vessel or sea going sh	iip			
7	DD Name:	IENC	Code:	lc_csi_7	Date accepted:	2001-05-31		
	Name:	inland waterw						
			-	lely or mainly for navig				

Value	Data Dictio	ary (DD) Reference
8	DD Name:	IENC Code: lc_csi_8 Date accepted: 2001-05-31
	Name:	sea going ship
	Definition:	a vessel certificated for sea-going service
9	DD Name:	IENC Code: lc_csi_9 Date accepted: 2001-05-31
	Name:	motor vessel
	Definition:	a motor cargo vessel or a motor tanker
10	DD Name:	IENC Code: lc_csi_10 Date accepted: 2001-05-31
	Name:	motor tanker
		a vessel intended for the carriage of goods in fixed tanks and built to navigate independently n motive power
11	DD Name:	IENC Code: lc_csi_11 Date accepted: 2001-05-31
	Name:	motor cargo vessel
	Definition: independe	a vessel, other than a motor tanker, intended for the carriage of goods and built to navigate tly under its own motive power
12	DD Name:	IENC Code: lc_csi_12 Date accepted: 2001-05-31
	Name:	canal barge
	Definition: operating c	an inland waterway vessel not exceeding 38.5 m in length and 5.05 m in breadth and usually in the Rhine-Rhône-Canal
13	DD Name:	IENC Code: lc_csi_13 Date accepted: 2001-05-31
	Name:	tug
	Definition:	a vessel specially built to perform towing operations
14	DD Name:	IENC Code: lc_csi_14 Date accepted: 2001-05-31
	Name:	pusher
	Definition:	a vessel specially built to propel a pushed convoy
15	DD Name:	IENC Code: lc_csi_15 Date accepted: 2001-05-31
	Name:	barge
	Definition:	a dumb barge or tank barge
16	DD Name:	IENC Code: lc_csi_16 Date accepted: 2001-05-31
	Name:	tank barge
	Definition:	a vessel intended for the carriage of goods in fixed tanks and built to be towed, either having no

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Value	Data Dictio	onary (DD) Rei	ference			
	motive pow	ver of its own o	or having	g only sufficient motiv	e power to perform	restricted manoeuvres
17	DD Name:	IENC	Code:	lc_csi_17	Date accepted:	2001-05-31
	Name:	dumb barge			·	
		ng no motive p		-	-	of goods and built to be towed, power to perform restricted
18	DD Name:	IENC	Code:	lc_csi_18	Date accepted:	2001-05-31
	Name:	lighter				
	Definition:	a tank lighte	r, cargo	lighter or ship borne I	ighter	
19	DD Name:	IENC	Code:	lc_csi_19	Date accepted:	2001-05-31
	Name:	tank lighter				
	pushed, eit	ther having no	motive			ailt or specially modified to be to motive power to perform restricted
20	DD Name:	IENC	Code:	lc_csi_20	Date accepted:	2001-05-31
	Name:	cargo lighter	,			
	modified to	be pushed, e	ither hav	-	of its own or havin	of goods and built or specially g only sufficient motive power to
21	DD Name:	IENC	Code:	lc_csi_21	Date accepted:	2001-05-31
	Name:	ship borne li	ghter			
	Definition:	a lighter buil	t to be c	arried aboard sea goi	ng ships and to na	vigate on inland waterways
22	DD Name:	IENC	Code:	lc_csi_22	Date accepted:	2001-05-31
	Name:	passenger v	essel			
	Definition:	a day trip or	cabin ve	essel constructed and	equipped to carry	more than 12 passengers
23	DD Name:	IENC	Code:	lc_csi_23	Date accepted:	2001-05-31
	Name:	passenger s	ailing ve	essel		
	Definition:	a passengei	vessel	fitted out mainly with a	a view to propulsio	n under sail
24	DD Name:	IENC	Code:	lc_csi_24	Date accepted:	2001-05-31
	Name:	day trip vess	el			
	Definition:	a passengei	vessel	without overnight pas	senger cabins	

Value	Data Dictic	onary (DD) Re	ference			
25	DD Name:	IENC	Code:	lc_csi_25	Date accepted:	2001-05-31
	Name:	cabin vesse	I			
	Definition:	a passenge	r vessel	with overnight passen	ger cabins	
26	DD Name:	IENC	Code:	lc_csi_26	Date accepted:	2001-05-31
	Name:	High-speed	vessel			
	Definition:	a motorised	vessel o	capable of reaching sp	eeds over 40km/h	with respect to water
27	DD Name:	IENC	Code:	lc_csi_27	Date accepted:	2001-05-31
	Name:	floating equi	pment			
	Definition: elevators	a floating in	stallatior	n carrying working gea	r such as cranes,	dredging equipment, pile drivers or
28	DD Name:	IENC	Code:	lc_csi_28	Date accepted:	2001-05-31
	Name:	worksite cra	ft			
	Definition: hopper or p	•		ely built and equipped on or stone-dumping v		es, such as a reclamation barge,
29	DD Name:	IENC	Code:	lc_csi_29	Date accepted:	2001-05-31
	Name:	recreational	craft			
	Definition:	a vessel oth	er than a	a passenger vessel, in	tended for sport o	r pleasure
30	DD Name:	IENC	Code:	lc_csi_30	Date accepted:	2001-05-31
	Name:	Dinghy				
	Definition:	a boat for u	se in trar	nsport, rescue, salvage	e and work duties	
31	DD Name:	IENC	Code:	lc_csi_31	Date accepted:	2001-05-31
	Name:	floating esta	blishmei	nt		
	Definition: jetty or boa		installat	ion not normally intend	ded to be moved, s	such as a swimming bath, dock,
32	DD Name:	IENC	Code:	lc_csi_32	Date accepted:	2001-05-31
	Name:	floating obje	ct			
	Definition: equipment	a raft or oth or establishm		ure, object or assembl	y capable of navig	ation, not being a vessel or floating

Attribute	Catego	ory of shoreline	e constru	uction							
Acronym:	catslc					Code: 17012					
Use Type:	F										
Value Type	: E										
Data Diction	nary (DD) R	eference:									
DD Name:	IENC	Dat	e accep	ted: 2007-1	0-12						
Definition:	Category	of shoreline co	onstructi	on							
<u>Enumeratio</u>	<u>ns:</u>										
Value	Data Dictio	onary (DD) Ref	erence								
7	DD Name:	IENC	Code:	catslc_7	Date accepted:	2007-10-12					
	Name:	training wall									
	Definition: promote a Specificatio	scour action. (a wall or bank, often submerged, built to direct or confine the flow of a river or tidal current, or to cour action. (Adapted from IHO Dictionary, S-32, 5th Edition, 5586 and IHO Chart ins, M-4).								
18	DD Name:	IENC	Code:	catslc_18	Date accepted:	2007-10-12					
	Name:	lock/guide w	all								
	Definition:	permanent s	tructure	bounding a lo	ock and including guide wa	alls (USACE)					
19	DD Name:	IENC	Code:	catslc_19	Date accepted:	2009-09-11					
	Name:	ice breaker									
	Definition: ice or othe		lge-like	structure use	d for protecting a bridge pi	er, dock, facility, etc. from floating					
2	DD Name:	IENC	Code:	catslc_2	Date accepted:	2011-05-31					
	Name:	groyne (groir	ו)								
			as to pre	event coast ei		ng from the land to seaward for a Dictionary, S-32, 5th Edition, 2525					
8	DD Name:	IENC	Code:	catslc_8	Date accepted:	2013-01-23					
	Name:	rip rap									
	Definition:				oulders, or fragments of s						

Value Data Dictionary (DD) Reference

forces of flowing water and wave action. (Adapted from Marine Chart Manual, US National Oceanic and Atmospheric Administration - NOAA, 1992)

9	DD Name:	IENC	Code:	catslc_9	Date accepted:	2013-01-23
	Name:	revetment				
		•	stabilize	the bank and to protect	•	rary, placed along the edge of a ve action of the stream. (Adapted
20	DD Name:	IENC	Code:	catslc_20	Date accepted:	2013-09-23
	Name:	water intake	structur	e		

Definition: a structure designed to divert water from a river or channel for the purpose of water supply, hydroelectric power or irrigation.

Attribute	Catego	ory of signal sta	ation, tra	affic						
Acronym:	catsit						Code:	17002		
Use Type:	F									
Value Type	e: L									
Data Diction	nary (DD) Re	<u>eference:</u>								
DD Name:			e accept	ted: 2001-05-31						
Definition:	Category of	of signal statio	n, traffic	;						
Enumeratio	<u>ns:</u>									
Value	Data Dictio	nary (DD) Ref	ary (DD) Reference							
2	DD Name:	IENC	Code:	catsit_2	Date accepted:	2001-05-31				
	Name:	port entry an	d depart	ture						
	Definition:	a signal stati	on for th	ne control of vessels e	ntering or leaving	a port.				
6	DD Name:	IENC	Code:	catsit_6	Date accepted:	2001-05-31				
	Name:	lock								
	Definition:	a signal stati	on for th	ne control of vessels en	ntering or leaving	a lock.				
8	DD Name:	IENC	Code:	catsit_8	Date accepted:	2001-05-31				
	Name:	bridge passa	ge							
	Definition:	a signal stati	on for th	ne control of vessels w	ishing to pass unc	ler a bridge.				
10	DD Name:	IENC	Code:	catsit_10	Date accepted:	2001-05-31				
	Name:	oncoming tra								
	Definition:	-		ing traffic on an inland	waterway					

Attribute	Catego	ory of signal statio	on, wa	arning					
Acronym:	catsiw						Code:	17003	
Use Type:	F								
Value Type	ə: L								
Data Dictio	onary (DD) R	eference:							
DD Name:	IENC	Date ad	ccept	ed: 2001-05-31					
Definition:	Category	Category of signal station, warning							
Enumeratio	ons:								
Value	Data Dictio	nary (DD) Refere	ence						
15	DD Name:	IENC Co	ode:	catsiw_15	Date accepted:	2001-05-31			
	Name:	high water mark	(
	Definition:	An indication of	the c	official high water level					
16	DD Name:	IENC Co	ode:	catsiw_16	Date accepted:	2001-05-31			
	Name:	vertical clearance	ce ind	lication					
	Definition:	An indication of	the v	vertical clearance of a	bridge, overhead	cable, etc.			
18	DD Name:	IENC Co	ode:	catsiw_18	Date accepted:	2001-05-31			
	Name:	depth indication							
	Definition:	An indication of	the lo	ocal depth.					

Attribute	Catego	y of time and behaviour				
Acronym:	cattab			C	Code:	17092
Use Type:	F					
Value Type	E					
Data Dictior	<u>ary (DD) R</u>	ference:				
DD Name:	IENC	Date accepted: 2001	-05-31			
Definition:	Category	time and behaviour				
Enumeratio	<u>ns:</u>					
Value	Data Dictio	ary (DD) Reference				
1	DD Name:	IENC Code: cattab_1	Date accepted:	2001-05-31		
	Name:	operational period				
	Definition:	being in a position or adjustmer	t to permit passage or to per	form an operation		
2	DD Name:	IENC Code: cattab_2	Date accepted:	2001-05-31		
	Name:	non-operational period				
	Definition:	being in a position or adjustmer	t to prevent passage			

Attribute	Catago	mu of vobiolo t	ropofor					
Attribute	Catego	ory of vehicle t	ranster					
Acronym:	catvtr					C	ode:	17091
Use Type:	F							
Value Type:	: L							
Data Dictior	nary (DD) R	eference:						
DD Name:	IENC	Dat	e accep	ted: 2001-05-31				
Definition:	Category	of vehicle tran	sfer					
Enumeratio	<u>ns:</u>							
Value	Data Dictio	nary (DD) Ref	erence					
1	DD Name:	IENC	Code:	catvtr_1	Date accepted:	2001-05-31		
	Name:	official						
	Definition:	Of or relating	g to an c	ffice or a post of autho	ority			
2	DD Name:	IENC	Code:	catvtr_2	Date accepted:	2001-05-31		
	Name:	private						
	Definition:	Belonging to	o a partic	ular person or person	s, as opposed to t	he public or the governr	nent	
3	DD Name:	IENC	Code:	catvtr_3	Date accepted:	2001-05-31		
	Name:	suitable for c	ar crane	es				
	Definition:	Vehicle trans	sfer loca	tion is suitable for car	cranes			
4	DD Name:	IENC	Code:	catvtr_4	Date accepted:	2001-05-31		
	Name:	suitable for c	ar plank	S				
	Definition:	Vehicle trans	sfer loca	tion is suitable for car	planks			
5	DD Name:	IENC	Code:	catvtr_5	Date accepted:	2001-05-31		
	Name:	permission r	equired					
	Definition:	The transfer	of a ver	nicle requires permissi	on.			
6	DD Name:	IENC	Code:	catvtr_6	Date accepted:	2001-05-31		
	Name:	locked gate						
	Definition:	The access	to the pu	ublic road is locked.				

Attribute	Catego	ory of voltage						
Acronym:	catvol						Code:	18031
Use Type:	F							
Value Type	e: L							
Data Dictio	nary (DD) R	eference:						
DD Name:	IENC	Da	te accep	ted: 2014-11	-26			
Definition:	The electr	ical voltage p	rovided b	by the power s	upply station			
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Re	eference					
1	DD Name:	IENC	Code:	catvol_1	Date accepted:	2014-11-26		
	Name:	230V						
	Definition:	230 Volts						
2	DD Name:	IENC	Code:	catvol_2	Date accepted:	2014-11-26		
	Name:	400V						
	Definition:	400 Volts						

Attribute	Catego	ory of waterwa	y gauge					
Acronym:	catgag						Code:	17078
Use Type:	F							
Value Type	e: L							
Data Dictio	nary (DD) R	eference:						
DD Name:			e accep	ted: 2001-05-31				
Definition:	Category	of waterway g	auge					
Enumeratio	ons:							
Value	Data Dictio	onary (DD) Rei	ference					
1	DD Name:	IENC	Code:	catgag_1	Date accepted:	2001-05-31		
	Name:	water level s	taff / pol	e				
	Definition: Section 3,		or consis	sting of a calibrated st	aff/pole and the as	sociated bench mark.	(DIN 4	049
2	DD Name:	IENC	Code:	catgag_2	Date accepted:	2001-05-31		
	Name:	recording wa	ater level	l gauge				
	Definition: Section 3,	•	gital wat	er level measuring an	d recording device	e. (adopted from DIN 4	049 –	
3	DD Name:	IENC	Code:	catgag_3	Date accepted:	2001-05-31		
	Name:	recording wa	ater leve	I gauge with remote a	ccess			
	Definition: 4049 – Seo	recording wa ction 3, Oct. 19		l gauge providing info	rmation remotely b	by any method (adopte	ed from	DIN
4	DD Name:	IENC	Code:	catgag_4	Date accepted:	2001-05-31		
	Name:	recording wa	ater leve	I gauge with external i	ndicator			
	Definition: from DIN 4	recording ga 049 – Section	• ·	•	he water level via	a large external indica	tor (add	opted
5	DD Name:	IENC	Code:	catgag_5	Date accepted:	2001-05-31		
	Name:	recording wa	ater level	I gauge with remote a	ccess and remote	indicator		
	Definition: water level		• •	viding information ren dicator. (adopted fron		od and providing infor ion 3, Oct. 1994)	mation	of the

Attribute	Class o	of dangerous cargo		
Acronym:	clsdng -		Code:	17055
Use Type:				
Value Type	e: E			
Data Dictio	onary (DD) R	leference:		
DD Name:	IENC	Date accepted: 2001-05-31		
Definition:	Class of d	langerous cargo		
Enumerati	ons:			
Value	Data Dictio	onary (DD) Reference		
1	DD Name:	IENC Code: clsdng_1 Date accepted: 2001-05-31		
	Name:	one blue light / cone		
	Definition:	Vessels carrying out transport operations involving certain flammable substances		
2	DD Name:	IENC Code: clsdng_2 Date accepted: 2001-05-31		
	Name:	two blue lights / cones		
	Definition: hazards	Vessels carrying out transport operations involving certain substances constitutin	g health	1
3	DD Name:	IENC Code: clsdng_3 Date accepted: 2001-05-31		
	Name:	three blue lights / cones		
	Definition:	Vessels carrying out transport operations involving certain explosives		
4	DD Name:	IENC Code: clsdng_4 Date accepted: 2001-05-31		
	Name:	no blue light / cone		
	Definition: required	Vessels carrying out transport operations for which no blue light or blue cone is		
5	DD Name:	IENC Code: clsdng_5 Date accepted: 2009-12-09		
	Name:	one red light / red cone top down		

Attribute	Current velocity at high water level	
Acronym:	curvhw	Code: 17095
Use Type:	F	
Value Type:	F	

DD Name: IENC Date accepted: 2001-05-31

Definition: The rate of travel of a current at a high water level

Attribute	Current velocity at low water level	
Acronym:	curvlw	Code: 17096
Use Type:	F	
Value Type:	F	

DD Name: IENC Date accepted: 2001-05-31

Definition: The rate of travel of a current at a low water level

Acronym:curvmwCode: 17Use Type:F	Attribute	Current velocity at mean water level		
Use Type: F	Acronym:	curvmw	Code:	17097
	Use Type:	F		
Value Type: F	Value Type:	F		

DD Name: IENC Date accepted: 2001-05-31

Definition: The rate of travel of a current at a mean water level

Attribute	Current velocity at other water level	
Acronym:	curvow	Code: 17098
Use Type:	F	
Value Type:	F	

DD Name: IENC Date accepted: 2001-05-31

Definition: The rate of travel of a current at an other water level

Attribute	Description of legal conditio	ons	
Acronym:	lg_des		Code: 18010
Use Type:	F		
Value Type:	т		
Data Dictionar	y (DD) Reference:		
DD Name: I	ENC Date accept	pted: 2001-05-31	

Definition: Additional textual information which is related to the numerical description of the particular article/clause of the applicable law/regulation

dirimp F L ary (DD) Re IENC Direction o <u>s:</u>	Date	e accept	ed: 2001-05-31			Code:	17056
L ary (DD) Re IENC Direction o	Date	e accept	ed: 2001-05-31				
ary (DD) Re IENC Direction o	Date	e accept	ed: 2001-05-31				
IENC Direction o	Date	e accept	ed: 2001-05-31				
Direction o		e accept	ed: 2001-05-31				
	f impact						
<u>s:</u>							
Data Dictior	nary (DD) Refe	erence					
DD Name:	IENC	Code:	dirimp_1	Date accepted:	2001-05-31		
Name:	upstream						
Definition:	toward the so	ource of	a stream				
DD Name:	IENC	Code:	dirimp_2	Date accepted:	2001-05-31		
Name:	downstream						
Definition:	in the direction	on of flov	w of a current or strea	m			
DD Name:	IENC	Code:	dirimp_3	Date accepted:	2001-05-31		
Name:	to the left bar	۱k					
Definition:	toward the le	ft side o	f the bank				
DD Name:	IENC	Code:	dirimp_4	Date accepted:	2001-05-31		
Name:	to the right ba	ank					
Definition:	toward the rig	ght side	of the bank				
DD Name:	IENC	Code:	dirimp_5	Date accepted:	2010-08-12		
Name:	to harbor						
Definition:	to an harbor						
	DD Name: Name: Definition: DD Name: Name: DD Name: Name: DD Name: Name: DD Name: DD Name: Name: Name:	Data Dictionary (DD) RefDD Name:IENCName:upstreamDefinition:toward the seDD Name:IENCName:downstreamDefinition:in the directionDD Name:IENCName:to the left barDD Name:to the left barDD Name:IENCName:to the right barDD Name:IENCName:to the right barDD Name:IENCName:to the right barDD Name:IENCName:to the right barDD Name:IENCName:to harbor	Data Dictionary (DD) ReferenceDD Name:IENCCode:Name:upstreamDefinition:toward the source ofDD Name:IENCCode:Name:downstreamDefinition:in the direction of flowDD Name:IENCCode:Name:to the left bankDefinition:to ward the left side ofDD Name:IENCCode:Name:to the right bankDefinition:to ward the right sideDD Name:to the right bankDefinition:toward the right sideDD Name:IENCCode:Name:to harbor	Data Dictionary (DD) Reference DD Name: IENC Code: dirimp_1 Name: upstream Definition: toward the source of a stream DD Name: IENC Code: dirimp_2 Name: downstream Definition: in the direction of flow of a current or streat DD Name: IENC Code: dirimp_3 Name: to the left bank Definition: to ward the left side of the bank DD Name: IENC Code: dirimp_4 Name: to the right bank Definition: toward the right side of the bank DD Name: IENC Code: dirimp_4 Name: to the right bank Definition: toward the right side of the bank DD Name: IENC Code: dirimp_5 Name: to harbor Source: dirimp_5	Data Dictionary (DD) ReferenceDD Name:IENCCode:dirimp_1Date accepted:Name:upstreamDo Name:toward the source of a streamDate accepted:DD Name:IENCCode:dirimp_2Date accepted:Name:downstreamDate accepted:DD Name:in the director of flow of a current or streamDate accepted:DD Name:IENCCode:dirimp_3Date accepted:Name:to the left bankDate accepted:DD Name:IENCCode:dirimp_4Date accepted:Name:to the right bankDate accepted:DD Name:IENCCode:dirimp_4Date accepted:Name:to ward the ight side of the bankDD Name:IENCCode:dirimp_5Date accepted:Name:IENCCode:dirimp_5Date accepted:Name:to harborName:to harbor	Data Dictionary (DD) ReferenceDD Name:IENCCode:dirimp_1Date accepted:2001-05-31Name:upstream </td <td>Data Dictionary (DD) ReferenceDD Name:IENCCode: dirimp_1Date accepted:2001-05-31Name:upstreamDefinition:toward the source of a streamDD Name:IENCCode:dirimp_2Date accepted:2001-05-31Name:downstreamDefinition:in the director of flow of a current or streamDD Name:IENCCode:dirimp_3Date accepted:2001-05-31Name:to the left barkDD Name:to the left bark2001-05-31Date accepted:2001-05-31Name:to the left bark2001-05-31Date accepted:2001-05-31Name:to the right bark2001-05-31Date accepted:201-05-31Name:to the right bark2001-05-31Date accepted:201-05-31Name:to the right bark201-08-12Date accepted:201-08-12Name:to harbor201-08-12Date accepted:201-08-12</td>	Data Dictionary (DD) ReferenceDD Name:IENCCode: dirimp_1Date accepted:2001-05-31Name:upstreamDefinition:toward the source of a streamDD Name:IENCCode:dirimp_2Date accepted:2001-05-31Name:downstreamDefinition:in the director of flow of a current or streamDD Name:IENCCode:dirimp_3Date accepted:2001-05-31Name:to the left barkDD Name:to the left bark2001-05-31Date accepted:2001-05-31Name:to the left bark2001-05-31Date accepted:2001-05-31Name:to the right bark2001-05-31Date accepted:201-05-31Name:to the right bark2001-05-31Date accepted:201-05-31Name:to the right bark201-08-12Date accepted:201-08-12Name:to harbor201-08-12Date accepted:201-08-12

Attribute	Distance from notice mark, first	
Acronym:	disbk1	Code: 17057
Acronym.	UISDKT	Code. 17057
Use Type:	F	
Value Type:	F	
Data Dictionar	y (DD) Reference:	

DD Name: IENC Date accepted: 2001-05-31

Definition: Minimum distance of the impact of an area, which is signed by notice marks. The distance is measured from the notice mark rectangular to the bank

Attribute	Distance from notice mark, second	
Acronym:	disbk2	Code: 17058
Use Type:	F	
Value Type:	F	
Data Dictionar	y (DD) Reference:	

DD Name: IENC Date accepted: 2001-05-31

Definition: Maximum distance of the impact of an area, which is signed by notice marks. The distance is measured from the notice mark rectangular to the bank

Attribute	Distance of impact, downstream					
Acronym:	disipd	Code: 17060				
Use Type:	F					
Value Type:	F					

DD Name: IENC Date accepted: 2001-05-31

Definition: Downstream distance of the impact of an area, which is signed by notice marks. The distance is normally given on an additional mark left and/or right of the notice mark

Attribute	Distance of impact, upstream	
Acronym:	disipu	Code: 17059
Use Type:	F	
Value Type:	F	

DD Name: IENC Date accepted: 2001-05-31

Definition: Upstream distance of the impact of an area, which is signed by notice marks. The distance is normally given on an additional mark left and/or right of the notice mark

Attribute	Elevation 1 of surface (m)
Acronym:	eleva1 Code: 1706
Use Type:	F
Value Type:	F
Data Dictionar	y (DD) Reference:
DD Name: IE	ENC Date accepted: 2001-05-31
Б. <i>с. у</i> с. — Т	

Definition: The maximum elevation of the bottom of a river within a depth contour and referred to a gravitational reference level.

Attribute	Elevation 2 of s	surface (m)			
Acronym	eleva2			do	17062
Acronym:	elevaz			ue.	17002
Use Type:	F				
Value Type:	F				
Data Dictionar	y (DD) Reference	<u>e:</u>			
DD Name: I	ENC	Date accepted:	2001-05-31		
	9		a standard standard and a sector and astronautic static		

Definition: The minimum elevation of the bottom of a river within a depth contour and referred to a gravitational reference level.

Attribute	Elevation of wa	ater level							
Acronym:	elevwl							Code:	18050
Use Type:	F								
Value Type:	F								
Data Dictionary (DD) Reference:									
DD Name: I	ENC	Date accepted:	2020-01-24						

Definition: Elevation of the water level of a specified object point measured from the reference gravitational level defined in reflev

Attribute	Functio	on of notice ma	ark					
Acronym:	fnctnm						Code:	17063
Use Type:	F							
Value Type	:: E							
Data Dictio	nary (DD) R	eference:						
DD Name:	IENC	Dat	e accep	ted: 2001-05-31				
Definition:	Function c	of a notice mai	ĸ					
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Ref	erence					
1	DD Name:	IENC	Code:	fnctnm_1	Date accepted:	2001-05-31		
	Name:	prohibition m	nark					
	Definition:	marks which	indicate	e a prohibition				
2	DD Name:	IENC	Code:	fnctnm_2	Date accepted:	2001-05-31		
	Name:	regulation m	ark					
	Definition:	marks which	indicate	e a regulation				
3	DD Name:	IENC	Code:	fnctnm_3	Date accepted:	2001-05-31		
	Name:	restriction ma	ark					
	Definition:	marks which	indicate	e a restriction				
4	DD Name:	IENC	Code:	fnctnm_4	Date accepted:	2001-05-31		
	Name:	recommenda	ation ma	rk				
	Definition:	marks which	indicate	e a recommendation				
5	DD Name:	IENC	Code:	fnctnm_5	Date accepted:	2001-05-31		
	Name:	information r	nark					
	Definition:	marks with g	general i	nformation				

]
Attribute	Function of sensor		
Acronym:	fnctsn	Code:	18020
Use Type:	F		
Value Type:	L		
Data Dictiona	ry (DD) Reference:		
DD Name: I	ENC Date accepted: 2011-12-19		
Definition:	Function of sensor		
Enumerations	<u>.</u>		
Value D	ata Dictionary (DD) Reference		
1 D	D Name: IENC Code: fnctsn_1 Date accepted: 2011-12-19		
Ν	ame: reduce bridge lighting		
D	efinition:		

Attribute	Height/	length units							
Acronym:	hunits						Code:	17103	
Use Type:	F								
Value Type	»: E								
Data Diatia									
	nary (DD) R			to de 0004.05.04					
DD Name:			e accept						
Definition:	on: Units of measure of waterway distances								
Enumeratic	ons:								
Value	Data Dictio	nary (DD) Refe	erence						
1	DD Name:	IENC	Code:	hunits_1	Date accepted:	2001-05-31			
	Name:	metres							
	Definition:	heights/lengt	hs are s	specified in metres (SI	units of length)				
2	DD Name:	IENC	Code:	hunits_2	Date accepted:	2001-05-31			
	Name:	feet							
	Definition:	heights/lengt	hs are s	specified in feet (impe	rial units of length)				
3	DD Name:	IENC	Code:	hunits_3	Date accepted:	2001-05-31			
	Name:	kilometres							
	Definition:	heights/lengt	hs are s	specified in kilometres	(1000 metres)				
4	DD Name:	IENC	Code:	hunits_4	Date accepted:	2001-05-31			
	Name:	hectometres							
	Definition:	heights/lengt	hs are s	specified in hectometro	es (100 metres)				
5	DD Name:	IENC	Code:	hunits_5	Date accepted:	2001-05-31			
	Name:	statute miles							
	Definition:	heights/lengt	hs are s	specified in statue (lan	d) miles				
6	DD Name:	IENC	Code:	hunits_6	Date accepted:	2001-05-31			
	Name:	nautical miles	6						
	Definition:	heights/lengt	hs are s	specified in nautical (s	ea) miles				

Attribute	Horizontal clearance length	
Acronym:	horcll	Code: 17074
Use Type:	F	
Value Type:	F	

DD Name: IENC Date accepted: 2001-05-31

Definition: The length of an object, such as a lock or basin, which is available for safe navigation. This may, or may not, be the same as the total physical length (HORLEN) of the object

Attribute	Horizontal clearance width	
Acronym:	horclw	Code: 17075
Use Type:	F	
Value Type:	F	

DD Name: IENC Date accepted: 2001-05-31

Definition: The width of an object, such as a lock or basin, which is available for safe navigation. This may, or may not, be the same as the total physical width (HORWID) of the object

Attribute	Marks	navigational -	System	of				
Acronym:	marsys	6				C	ode: 17	7009
Use Type:	F							
Value Type	e: E							
Data Dictio	onary (DD) R	eference:						
DD Name:	IENC	Dat	e accep	ted: 2001-05-31				
Definition:	System of	navigational	marks					
Enumeratic	ons:							
Value	Data Dictio	nary (DD) Re	ference					
1	DD Name:	IENC	Code:	marsys_1	Date accepted:	2001-05-31		
	Name:	IALA A						
	Definition: system.	navigational	aids coi	nform to the Internatio	nal Association of	Lighthouse Authorities	- IALA A	N I
2	DD Name:	IENC	Code:	marsys_2	Date accepted:	2001-05-31		
	Name:	IALA B						
	Definition: system.	navigational	aids coi	nform to the Internatio	nal Association of	Lighthouse Authorities	- IALA B	3
9	DD Name:	IENC	Code:	marsys_9	Date accepted:	2001-05-31		
	Name:	no system						
	Definition:	navigational	aids do	not conform to any de	efined system.			
10	DD Name:	IENC	Code:	marsys_10	Date accepted:	2001-05-31		
	Name:	other system	า					
	Definition: Lighthouse	navigational Authorities -I		nform to a defined sys	tem other than Int	ernational Association o	of	
11	DD Name:	IENC	Code:	marsys_11	Date accepted:	2001-05-31		
	Name:	CEVNI						
	Definition:	navigational	aids co	nform to the Europear	n Code for Inland V	Vaterways of UN/ECE.		
12	DD Name:	IENC	Code:	marsys_12	Date accepted:	2001-05-31		

Value	Data Dictic	onary (DD) Refe	rence			
	Name:	Russian inland	d water	way regulations		
	Definition:	navigational a	ids cor	nform to the Russian ir	land waterway re	gulations.
13	DD Name:	IENC	Code:	marsys_13	Date accepted:	2009-09-11
	Name:	Brazilian natio	nal inla	and waterway regulation	ns - two sides	
	Definition:	navigational a	ids cor	nform to the Brazilian r	ational inland wat	erway regulations for two sides.
14	DD Name:	IENC	Code:	marsys_14	Date accepted:	2009-09-11
	Name:	Brazilian natio	nal inla	and waterway regulation	ns - side indepen	dent
	Definition: regulations	•	iids cor	nform to the side indep	endent Brazilian r	national inland waterway
15	DD Name:	IENC	Code:	marsys_15	Date accepted:	2009-09-11
	Name:	Paraguay-Para	ana wa	aterway - Brazilian com	plementary aids	

Definition: Brazilian complementary navigational aids on the Paraguay-Parana waterway.

Attribute	Maximal permitted beam	
Acronym:	lg_bme	Code: 18003
Use Type:	F	
Value Type:	F	

DD Name: IENC Date accepted: 2001-05-31

Definition: The maximal permitted beam (width of a ship's hull) of a vessel or convoy according to the particular article/clause of the applicable law/regulation

Attribute	Maximal permitted draught	
Acronym:	lg_drt	Code: 18005
Use Type:	F	
	F	
Value Type:	F	
Data Dictionar	y (DD) Reference:	

DD Name: IENC Date accepted: 2001-05-31

Definition: The maximal permitted draught of a vessel or convoy according to the particular article/clause of the applicable law/regulation

Attribute	Maximal permi	tted length					
Acronym:	lg_lgs					Code:	18004
Use Type:	F						
Value Type:	F						
Data Dictionar	<u>y (DD) Reference</u>	<u>ə:</u>					
DD Name: I	ENC	Date accepted:	2001-05-31				

Definition: The maximal permitted length of a vessel or convoy according to the particular article/clause of the applicable law/regulation

Attribute	Maximal permi	tted speed						
Acronym:	lg_spd						Code:	18001
Use Type:	F							
Value Type:	F							
Data Dictionar	<u>y (DD) Reference</u>	<u>):</u>						
DD Name: II	ENC	Date accepted:	2001-05-31					

Definition: The maximal permitted vessel speed according to the particular article/clause of the applicable law/regulation

Attribute	Maximal permitted water displacement	
Acronym:	lg_wdp	Code: 18006
Use Type:	F	
Value Type:	F	
Data Dictionar	y (DD) Reference:	

DD Name: IENC Date accepted: 2001-05-31

Definition: The maximal permitted water displacement of a vessel or convoy according to the particular article/clause of the applicable law/regulation

Attribute N	/MSI Code	
Acronym: r	nmsico	Code: 18046
Use Type: F	-	
Value Type: I		

DD Name: IENC Date accepted:	2017-05-30
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Definition: Maritime Mobile Service Identity code

Attribute	Name of other locally relevant water level	
Acronym:	othnam	Code: 17087
Use Type:	F	
Value Type:	т	

DD Name: IENC Date accepted: 2001-05-31

Definition: Name of the water level, which is used for the attribute othwat (value at other locally relevant water level) including version identification, for example year of issue or period

Attribute	Name of relevant high water level	
Acronym:	hignam	Code: 17081
Use Type:	F	
Value Type:	т	

DD Name: IENC Date accepted: 2001-05-31

Definition: Name of the water level, which is used for the attribute higwat (value at relevant high water level) including version identification, for example year of issue or period

Attribute	Name of relevant low water level	
Acronym:	lownam	Code: 17083
Use Type:	F	
Value Type:	т	

DD Name: IENC Date accepted: 2001-05-31

Definition: Name of the water level, which is used for the attribute lowwat (value at relevant low water level) including version identification, for example year of issue or period

Attribute	Name of relevant mean water level	
Acronym:	meanam	Code: 17085
Use Type:	F	
Value Type:	Т	

DD Name: IENC Date accepted: 2001-05-31

Definition: Name of the water level, which is used for the attribute mawat (value at relevant mean water level) including version identification, for example year of issue or period

Attribute	Name of Sounding datum reference level	
Acronym:	sdrlev	Code: 17089
Use Type:	F	
Value Type:	т	

DD Name:	IENC	Date accepted:	2001-05-31
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Definition: Name of the water level depth values are referred to

Name of vertical river datum reference level	
/crlev	Code: 17090
=	
r	
	Name of vertical river datum reference level /crlev = T

DD Name: IENC Date accepted: 2001-05-31

Definition: Name of the water level vertical clearance values are referred to

Attribute	Number of shore connectors	
Acronym:	shrnum	Code: 18035
Use Type:	F	
Value Type:	I	

DD Name: IENC Date accepted: 2014-11-26

Definition: The number of shore connectors available at the power supply station.

Publication reference	
lg_pbr	Code: 18011
F	
Т	
(DD) Reference:	
	F T

DD Name: IENC Date accepted: 2001-05-31

Definition: Waterway or waterway section for which a juridical regulation with respect to the maximum permitted vessel dimensions exists

Attribute	Reference Gauge	
Acronym:	refgag	Code: 18018
Use Type:	F	
Value Type:	т	

DD Name: IENC Date accepted: 2013-01-11

Definition: The ISRS code of the gauge which can be used to calculate the vertical clearance

Attribute	Refere	nce gravitatior	nal level			
Acronym:	reflev					Code: 17088
Use Type:	F					
Value Type	e: E					
Data Dictio	nary (DD) R	eference:				
DD Name:			e accep	ted: 2001-05-31		
Definition:	Gravitatio	nal reference l	•			
Enumeratio	ne:					
	<u>5113.</u>					
Value	Data Dictio	nary (DD) Ref	erence			
1	DD Name:	IENC	Code:	reflev_1	Date accepted:	2001-05-31
	Name:	Baltic datum				
			uge Dati	• • •	•	tem for absolute heights reckoning on. (Hydrographic Terminology
2	DD Name:	IENC	Code:	reflev_2	Date accepted:	2001-05-31
	Name:	Adriatic level				
	Definition:	The average	e height	of the surface of the	e Adriatic sea at the t	ide station of Trieste in Italy.
3	DD Name:	IENC	Code:	reflev_3	Date accepted:	2001-05-31
	Name:	Amsterdam (Ordnand	ce Datum (NAP)		
	Definition: North Sea.	-	ational r	eference level that	is approximately the	average summer height of the
4	DD Name:	IENC	Code:	reflev_4	Date accepted:	2001-05-31
	Name:	Mean Sea Le	evel			
	•	ear period, us	ually de	-	ly height readings m	e station for all stages of the tide easured from a fixed predetermined
5	DD Name:	IENC	Code:	reflev_5	Date accepted:	2001-05-31
	Name:	Other datum				

Value	Data Dictic	ata Dictionary (DD) Reference				
6	DD Name:	IENC	Code:	reflev_6	Date accepted:	2001-05-31
	Name:	National Geo	odetic V	ertical Datum - NGVD	29	
	Definition:	The name, a	after May	y 10, 1973, of the Sea	Level Datum of 19	929.
7	DD Name:	IENC	Code:	reflev_7	Date accepted:	2001-05-31
	Name:	North Ameri	can Vert	ical Datum - NAVD88		
	Definition: geodetic le			datum established in 1 Canada, the United S	•	um-constraint adjustment of .
8	DD Name:	IENC	Code:	reflev_8	Date accepted:	2001-05-31
	Name:	Mean sea le	vel 1912	2		
	Definition: adjustment		ontrol dat	um established for ve	rtical control in the	e United States by the general
9	DD Name:	IENC	Code:	reflev_9	Date accepted:	2001-05-31
	Name:	Mean sea le	vel 1929)		
	Definition: adjustment		ontrol dat	um established for ve	rtical control in the	United States by the general
10	DD Name:	IENC	Code:	reflev_10	Date accepted:	2015-03-09
	Name:	Tweede Alge	emene V	Vaterpassing (TAW)		
	Definition				A \ A /	

Definition: All heights in Belgium are referenced to TAW

Attribute	Related	d issue						
Acronym:	lg_rel						Code:	18008
Use Type:	F							
Value Type	: L							
Data Diction	<u>nary (DD) R</u>	eference:						
DD Name:	IENC	Date	accept	ed: 2001-05-31				
Definition:	Indication	of the related le	egal issi	ue				
Enumeratio	Ins:							
Value	Data Dictio	nary (DD) Refe	erence					
1	DD Name:	IENC	Code:	lg_rel_1	Date accepted:	2001-05-31		
	Name:	other						
	Definition:							
2	DD Name:	IENC	Code:	lg_rel_2	Date accepted:	2001-05-31		
	Name:	usage of wate	erway					
	Definition:							
3	DD Name:	IENC	Code:	lg_rel_3	Date accepted:	2001-05-31		
	Name:	carriage of eq	luipmen	t				
	Definition:							
4	DD Name:	IENC	Code:	lg_rel_4	Date accepted:	2001-05-31		
	Name:	task,operatior	า					
	Definition:							

Attribute	Restric	ction				
Acronym:	restrn					Code: 17004
Use Type:	F					
Value Type	e: L					
Data Dictic	onary (DD) R	eference:				
DD Name:			e accep	ted: 2001-05-31		
Definition:	Restrictior	า				
Enumeratio	one:					
	<u>5113.</u>					
Value	Data Dictio	onary (DD) Re	erence			
1	DD Name:	IENC	Code:	restrn_1	Date accepted:	2001-05-31
	Name:	anchoring p	ohibited			
	Definition:	an area with	in which	anchoring is not	permitted.	
2	DD Name:	IENC	Code:	restrn_2	Date accepted:	2001-05-31
	Name:	anchoring re	stricted			
	Definition:	•		• • • • •	priate authority, within	which anchoring is restricted in
	accordance	e with certain	specified	d conditions.		
7	DD Name:	IENC	Code:	restrn_7	Date accepted:	2001-05-31
	Name:	entry prohibi	ted			
	Definition:	an area with Edition, 4044)	in which	n navigation and/o	r anchoring is prohibite	ed. (adapted from IHO Dictionary,
8	DD Name:			restrn_8	Date accepted:	2001-05-31
	Name:	entry restrict				
	Definition: accordance	•		• • • • •	•	which navigation is restricted in ary, S-32, 5th Edition, 4366)
13	DD Name:	IENC	Code:	restrn_13	Date accepted:	2001-05-31
	Name:	no wake				
	Definition:		-		ir vessels to reduce th	e wave or wash which may cause
	erosion or o	disturb moore	d vesse	S.		

Value	Data Dictio	onary (DD) Re	ference			
14	DD Name:	IENC	Code:	restrn_14	Date accepted:	2001-05-31
	Name:	area to be a	voided			
	Definition: Chart Spec	an IMO des cifications, M-4	-		fined as a routein	g measure. (adapted from IHO
27	DD Name:	IENC	Code:	restrn_27	Date accepted:	2001-05-31
	Name:	speed restri	cted			
	Definition:	an area with	nin which	speed is restricted.		
28	DD Name:	IENC	Code:	restrn_28	Date accepted:	2001-05-31
	Name:	overtaking p	orohibited	t		
	Definition: prohibited	a specified a	area des	ignated by appropriate	e authority, within	which overtaking is generally
29	DD Name:	IENC	Code:	restrn_29	Date accepted:	2001-05-31
	Name:	overtaking c	of convoy	s by convoys prohibite	ed	
	Definition: prohibited	a specified a	area des	ignated by appropriate	e authority, within	which overtaking between convoys
30	DD Name:	IENC	Code:	restrn_30	Date accepted:	2001-05-31
	Name:	passing or c	vertakin	g prohibited		
	Definition: generally p	•	area des	ignated by appropriate	e authority, within	which passing or overtaking is
31	DD Name:	IENC	Code:	restrn_31	Date accepted:	2001-05-31
	Name:	berthing pro	hibited			
	Definition: floating ma	•		ignated by appropriate lishments may not be	•	which vessels, assemblies of
32	DD Name:	IENC	Code:	restrn_32	Date accepted:	2001-05-31
	Name:	berthing res	tricted			
	Definition:	a specified a	area des	ignated by appropriate	e authority, within	which berthing is restricted
33	DD Name:	IENC	Code:	restrn_33	Date accepted:	2001-05-31
	Name:	making fast	prohibite	ed		
	Definition: floating ma			ignated by appropriate lishments may not ma	•	which vessels, assemblies of <.
34	DD Name:	IENC	Code:	restrn_34	Date accepted:	2001-05-31

Value	Data Dictio	ary (DD) Reference
	Name:	making fast restricted
	Definition: restricted	a specified area designated by appropriate authority, within which making fast to the bank is
35	DD Name:	ENC Code: restrn_35 Date accepted: 2001-05-31
	Name:	turning prohibited
	Definition: prohibited	a specified area designated by appropriate authority, within which all turning is generally
36	DD Name:	ENC Code: restrn_36 Date accepted: 2001-05-31
	Name:	restricted fairway depth
	Definition:	an area within which the fairway depth is restricted.
37	DD Name:	ENC Code: restrn_37 Date accepted: 2001-05-31
	Name:	restricted fairway width
	Definition:	an area within which the fairway width is restricted.
38	DD Name:	ENC Code: restrn_38 Date accepted: 2014-11-26
	Name:	use of spuds prohibited
	Definition:	the use of anchoring spuds (telescopic piles) is prohibited
40	DD Name:	ENC Code: restrn_40 Date accepted: 2017-11-06
	Name:	SOx emission restricted
	Definition:	An area within which the emission of Sox is restricted.
41	DD Name:	ENC Code: restrn_41 Date accepted: 2017-11-06
	Name:	NOx emission restricted
	Definition:	AN area within which the emission of Nox is restricted.

Attribute S	ounding datum reference level value		
Acronym: se	drval	Code:	18049
Use Type: F			
Value Type: F			

DD Name:	IENC	Date accepted:	2019-11-13
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Definition: Local value of the sounding datum reference level.

Attribute	Speed	reference						
Acronym:	lg_spr				Code: 18002			
Use Type:	F							
Value Type	e: L							
Data Dictio	onary (DD) R	eference:						
DD Name:	IENC	Date accept	oted: 2001-05-31					
Definition:	finition: Indicates the type of speed measurement							
Enumeratio	ons:							
Value	Data Dictic	onary (DD) Reference						
1	DD Name:	IENC Code:	lg_spr_1	Date accepted:	2001-05-31			
	Name:	other						
	Definition:							
2	DD Name:	IENC Code:	lg_spr_2	Date accepted:	2001-05-31			
	Name:	speed over ground						
	Definition: The vessel's actual speed, determined by dividing the distance between successive fixes by the time between the fixes							
3	DD Name:	IENC Code:	lg_spr_3	Date accepted:	2001-05-31			
	Name:	speed through wate	r					
	Definition: speed	The vessel's actual	speed, determined by	subtracting the sp	eed over ground by the current			

Attribute	Time Schedule Reference	
Acronym:	schref	Code: 17093
Use Type:	F	
Value Type:	Т	

DD Name:	IENC	Date accepted:	2001-05-31
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Definition: The string encodes the file name of an external file

Attribute	Transs	hipping goods	6			
Acronym:	trshgd					Code: 1707
Use Type:	F					
Value Type	e: L					
Data Dictio	onary (DD) R	eference:				
DD Name:	IENC	Dat	te accep	ted: 2001-05-31		
Definition:	List of goo	ods, which car	n be tran	sshipped		
Enumeratio	ons:					
Value	Data Dictio	nary (DD) Re	ference			
1	DD Name:	IENC	Code:	trshgd_1	Date accepted:	2001-05-31
	Name:	containers				
	Definition:	boxes for ca	argo tran	sport with standardize	ed dimensions.	
2	DD Name:	IENC	Code:	trshgd_2	Date accepted:	2001-05-31
	Name:	bulk goods				
	Definition:	unpacked b	ulk cargo	o in the same or a sim	ilar kind of nature	(homogeneous).
3	DD Name:	IENC	Code:	trshgd_3	Date accepted:	2001-05-31
	Name:	oil				
	Definition:	Mineral oil c	or liquid p	petrolatum, a by-produ	uct in the distillatior	n of petroleum to produce gasoline
4	DD Name:	IENC	Code:	trshgd_4	Date accepted:	2001-05-31
	Name:	fuel				
	Definition:	liquid fuel, e	.g. gaso	line, diesel.		
5	DD Name:	IENC	Code:	trshgd_5	Date accepted:	2001-05-31
	Name:	chemicals				
	Definition:	any materia	l used in	or obtained by a proc	cess in chemistry.	
6	DD Name:	IENC	Code:	trshgd_6	Date accepted:	2001-05-31
	Name:	liquid goods				
	Definition:	fluids whose	e shape i	s usually determined	by the container it	fills.

Value	Data Dictio	nary (DD) Re	ference						
7	DD Name:	IENC	Code:	trshgd_7	Date accepted:	2001-05-31			
	Name:	explosive go	ods						
	Definition: producing a	-	goods that undergoes decomposition or combustion with great rapidity, evolving much heat and arge volume of gas.						
8	DD Name:	IENC	Code:	trshgd_8	Date accepted:	2001-05-31			
	Name:	fish							
	Definition:	marine anim	nals						
9	DD Name:	IENC	Code:	trshgd_9	Date accepted:	2001-05-31			
	Name:	cars							
	Definition:	wheeled vel	nicles						
10	DD Name:	IENC	Code:	trshgd_10	Date accepted:	2001-05-31			
	Name:	general carg	jo						
	Definition:	general care	go						

Attribute	Туре о	f AtoN						
A ana ay may	1 m e tre						Codo	10047
Acronym:	typatn _						Code:	18047
Use Type:	F							
Value Type:	L							
Data Diction	ary (DD) R	eference:						
DD Name: IENC Date accepted: 2019-10-23								
Definition:	The type of	of AtoN being re	eference	ed				
		-						
Enumeration	<u>15:</u>							
Value	Data Dictio	nary (DD) Refe	rence					
		• • •						
1	DD Name:	IENC	Code:	typatn_1	Date accepted:	2019-10-23		
	Name:	AtoN						
	Definition:	Aid to Navigat	tion					
2	DD Name:	IENC	Code:	typatn_2	Date accepted:	2019-10-23		
	Name:	Real AIS AtoN	J					
	Definition: An AIS station located on an existing physical aid to navigation							
2			Coder	turnetin 2		2010 10 22		
	DD Name:			typatn_3	Date accepted:	2019-10-23		
	Name:	Virtual AIS Ato						
	Definition:	An electronica	ally cha	rted, but non-existent	as a physical aid	to navigation		

Attribute	Туре о	of Ship		
Acronym:	shptyp		Code:	33066
Use Type:	F			
Value Type	e: E			
Data Diction	nary (DD) R	eference:		
DD Name:	IENC	Date accepted: 2001-05-31		
Definition:	Type of sh	nip		
Enumeratio	ons:			
Value	Data Dictio	onary (DD) Reference		
1	DD Name: Name:			
	Definition:	general cargo vessel a vessel which is designed for carrying general cargo, e.g. boxes, sacks.		
	Dennition.	a vesser which is designed for carrying general cargo, e.g. boxes, sacks.		
2	DD Name:	IENC Code: shptyp_2 Date accepted: 2001-05-31		
	Name:	container vessel		
	Definition:	a vessel which is designed for carrying containers.		
3	DD Name:	IENC Code: shptyp_3 Date accepted: 2001-05-31		
	Name:	tanker		
	Definition:	a vessel which is designed for carrying liquid goods, e.g. oil or water.		
4	DD Name:	IENC Code: shptyp_4 Date accepted: 2001-05-31		
	Name:	sailing vessel		
	Definition:	a vessel that is powered by the wind; often having several masts.		
5	DD Name:	IENC Code: shptyp_5 Date accepted: 2001-05-31		
	Name:	fishing vessel		
	Definition:	a vessel that is used and equipped for the fishing of living aquatic resources.		
6	DD Name:	IENC Code: shptyp_6 Date accepted: 2001-05-31		
	Name:	special purpose vessel.		
	Definition:	a vessel that fulfills special purposes e.g. hovercrafts, pilot boats		

Value	Data Dictio	onary (DD) Re	ference			
7	DD Name:	IENC	Code:	shptyp_7	Date accepted:	2001-05-31
	Name:	man of War				
	Definition:	armed nava	l vessel.			
8	DD Name:	IENC	Code:	shptyp_8	Date accepted:	2001-05-31
	Name:	submarine		1 71 -		
	Definition:	a vessel tha	it is capa	ble of operating for ar	extended period	of time underwater.
9	DD Name:		Code	shptyp_9	Date accepted:	2001-05-31
5	Name:	high speed		shptyp_a	Date accepted.	2001-00-01
	Definition:	nigh speed (Jun			
10			. .			
10		IENC	Code:	shptyp_10	Date accepted:	2001-05-31
	Name:	bulk carrier				
	Definition:	a vessel wh	ich is de	signed for carrying bu	k goods, e.g. coal	, ore or grain.
11	DD Name:	IENC	Code:	shptyp_11	Date accepted:	2001-05-31
	Name:	seaplane				
	Definition:	airplane des	signed to	take off from and alig	ht on water.	
12	DD Name:	IENC	Code:	shptyp_12	Date accepted:	2001-05-31
	Name:	tugboat				
	Definition:	a powerful s	mall boa	at designed to pull or p	oush larger ships o	r powerless barges.
13	DD Name:	IENC	Code:	shptyp_13	Date accepted:	2001-05-31
	Name:	passenger v	essel			
	Definition:	a vessel wh	ich is de	signed for carrying pa	ssengers and whic	ch serves mainly as cruise vessel.
14	DD Name:	IENC	Code:	shptyp_14	Date accepted:	2001-05-31
	Name:	ferry				
	Definition: scheduled		ich is de	signed for carrying pa	ssengers, and son	netimes their vehicles, on
15	DD Name:	IENC	Code:	shptyp_15	Date accepted:	2001-05-31
	Name:	boat				
	Definition [.]	a small ves	sel			

Definition: a small vessel.

Attribute	UN location code		
Acronym:	unlocd	Code:	17077
Use Type:	F		
Value Type:	Т		

	DD Name:	IENC	Date accepted:	2001-05-31
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Definition: The attribute unlocd should be used to encode the UN Location Code (http://www.unece.org/cefact/locode/service/main.htm) or - in Europe - the Inland Ship Reporting Standard (ISRS) Code

Attribute	Use of	Ship						
		p						
Acronym:	useshp)					Code:	17094
Use Type:	F							
Value Type	e: E							
Data Dictio	nary (DD) R	eference:						
DD Name: IENC Date accepted: 2001-05-31								
Definition:								
Dennition	maloation							
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Refe	ronco					
value	Data Dictio	nary (DD) Keie	erence					
1	DD Name:	IENC	Code:	useshp_1	Date accepted:	2001-05-31		
	Name:	liner trade						
	Definition:	ship is used t	o carry	goods on a scheduled	l service			
2	DD Name:	IENC	Code:	useshp_2	Date accepted:	2001-05-31		
	Name:	occasional pro	ofessio	nal shipping				
	Definition:	ship is occasi	ional us	ed for professional sh	ipping			
2	DD Name:		Codor	usesha 2		2001 05 21		
3			Code:	useshp_3	Date accepted:	2001-05-31		
	Name:	leisure						
	Definition:	ship is used f	or leisu	re activities				

Attribute	Value at other	alue at other locally relevant water level									
Acronym:	othwat					Code: 17086					
-											
Use Type:	F										
Value Type:	F										
Data Dictionar	ry (DD) Reference	<u>):</u>									
DD Name: II	ENC	Date accepted:	2001-05-31								

Definition: Value at waterway gauge in case of a specific water level, which is locally of importance or of interest for navigation

A (1.2)						
Attribute	value at releva	nt high water level				
					_	
Acronym:	higwat				Code:	17080
Use Type:	F					
Value Type:	F					
Data Dictionar	y (DD) Reference	<u>):</u>				
DD Name: IE	INC	Date accepted:	2001-05-31			

Definition: Value at waterway gauge in case of exact high water level (according to official regulations at the specific section of waterway)

Attribute	Value at releva	alue at relevant low water level										
Acronym:	lowwat							С	Code:	17082		
Use Type:	F											
Value Type:	F											
Data Dictionary (DD) Reference:												
DD Name: II	ENC	Date accepted:	2001-05-31									

Definition: Value at waterway gauge in case of exact low water level (according to official regulations at the specific section of waterway)

Attribute	Value at releva	lue at relevant mean water level									
A								De de l	47004		
Acronym:	meawat						(Code:	17084		
Use Type:	F										
Value Type:	F										
Data Dictionar	y (DD) Reference	<u>):</u>									
DD Name: I	ENC	Date accepted:	2001-05-31								

Definition: Value at waterway gauge in case of exact mean water level (according to official regulations at the specific section of waterway)

Attribute	Vertica	l datum						
Acronym:	verdat					С	ode:	17005
Use Type:	F							
Value Type:	Е							
Data Dictional	ry (DD) Re	eference:						
	ENC		e accept	ted: 2001-05-31				
Definition: \	tion: Vertical datum							
Enumerations	:							
	<u>-</u>							
Value D	ata Dictio	nary (DD) Rei	ference					
12 D	D Name:	IENC	Code:	verdat_12	Date accepted:	2001-05-31		
Ν	ame:	Mean lower	low wate	er				
	efinition: ictionary,	(MLLW) - th S-32, 5th Edi	-	•	ow waters at a pla	ice over a 19-year peric	od. (IH	0
31 D	D Name:	IENC	Code:	verdat_31	Date accepted:	2001-05-31		
Ν	ame:	Local low wa	ater refer	ence level				
D	efinition:	low water re	ference	level of the local area				
32 D	D Name:	IENC	Code:	verdat_32	Date accepted:	2001-05-31		
Ν	ame:	Local high w	ater refe	erence level				
D	efinition:	high water r	eference	level of the local area				
33 D	D Name:	IENC	Code:	verdat_33	Date accepted:	2001-05-31		
Ν	ame:	Local mean	water re	ference level				
D	efinition:	mean water	referenc	e level of the local are	a			
34 D	D Name:	IENC	Code:	verdat_34	Date accepted:	2001-05-31		
Ν	ame:	Equivalent h	eight of	water (German GIW)				
	efinition: ischarge".		level wh	ich is the result of a de	efined low water d	ischarge - called "equiv	alent	
35 D	D Name:	IENC	Code:	verdat_35	Date accepted:	2001-05-31		

Value	Data Dictio	nary (DD) Reference			
	Name:	Highest Shipping Hei	ight of Water (Germar	HSW)	
	Definition:	upper limit of water le	evels where navigation	n is allowed	
36	DD Name:	IENC Code:	verdat_36	Date accepted:	2001-05-31
	Name:	Reference low water	level according to Da	nube Commission	
	Definition:	The water level at a c	discharge, which is ex	ceeded 94 % of th	ne year within a period of 30 years.
37	DD Name:	IENC Code:	verdat_37	Date accepted:	2001-05-31
	Name:	Highest shipping heig	ght of water according	to Danube Comm	hission
	Definition:	The water level at a c	discharge, which is ex	ceeded 1 % of the	e year within a period of 30 years.
38	DD Name:	IENC Code:	verdat_38	Date accepted:	2001-05-31
	Name:	Dutch river low water	reference level (OLR)	
	Definition:	The water level at a c	discharge, which is ex	ceeded 95 % of th	ne year within a period of 20 years.
39	DD Name:	IENC Code:	verdat_39	Date accepted:	2001-05-31
	Name:	Russian project wate	r level		
	Definition: HDNO, 198		r level with establishe	d probability (Hyd	rographic Terminology Dictionary,
40	DD Name:	IENC Code:	verdat_40	Date accepted:	2001-05-31
	Name:	Russian normal back	water level		
	Definition: the normal	Highest water level d operational conditions			n in watercourse or reservoir under , HDNO, 1984).
41	DD Name:	IENC Code:	verdat_41	Date accepted:	2001-05-31
	Name:	Ohio River Datum			
	Definition:				
42	DD Name:	IENC Code:	verdat_42	Date accepted:	2015-02-23
	Name:	Approximate LAT		-	
	Definition:				
43	DD Name:	IENC Code:	verdat_43	Date accepted:	2015-02-23
	Name:	Dutch High Water Re	eference Level (MHW)		
	Definition:	J J	· · · · · ·		
				_	
24	DD Name:	HYDRO Code:	VERDAT_24	Date accepted:	2000-11-01

Value	Data Dictic	onary (DD) Referenc	ry (DD) Reference							
	Name:	Local datum								
		an arbitrary datun by this authority.	n arbitrary datum defined by a local harbour authority, from which leves and tidal heights are this authority.							
23	DD Name:	HYDRO Cod	e: VERDAT_23	Date accepted:	2000-11-01					
	Name:	Lowest astronomi	cal tide							
	Definition: conditions	()		•	under average meterological Dictionary, S-32, 5th Edition, 2936)					
30	DD Name:	HYDRO Cod	e: VERDAT_30	Date accepted:	2000-11-01					
	Name:	Highest astronom	cal tide							
	Definition: conditions	· , •		•	ur under average meteorological Dictionary, S-32, 5th Edition, 2244).					
45	DD Name:	IENC Cod	e: verdat_45	Date accepted:	2019-10-08					
	Name:	Dutch estuary low	water reference level (OLW)						
	Definition:									

Attribute	Vertical river datum reference level value	
Acronym:	vcrval	Code: 18048
Use Type:	F	
Value Type:	F	

DD Name:	IENC	Date accepted:	2019-11-13
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Definition: Local value of the vertical clearance reference level.

Attribute	Water	displacement u	unit					
Acronym:	lg_wdu	I					Code:	18007
Use Type:	F							
Value Type	e: E							
Data Dictio	nary (DD) R	eference:						
DD Name:	IENC	Date	e accept	ed: 2001-05-31				
Definition:	Units of m	easure for wat	ter displa	acement				
Enumeratio	ons:							
Value	Data Dictio	nary (DD) Ref	erence					
1	DD Name:	IENC	Code:	lg_wdu_1	Date accepted:	2001-05-31		
	Name:	other						
	Definition:							
2	DD Name:	IENC	Code:	lg_wdu_2	Date accepted:	2001-05-31		
	Name:	cubic meters		-	·			
	Definition:							
3	DD Name:	IENC	Code:	lg_wdu_3	Date accepted:	2001-05-31		
	Name:	tonnes						

Attribute	Water	level effect							
Acronym:	watlev					Code: 17104			
Use Type:	F								
Value Type	e: E								
Data Dictio	nary (DD) R	eference:							
DD Name:	IENC	Dat	te accep	ted: 2001-05-31					
Definition:	Definition: Effect of water level								
Enumeratio	ons:								
	<u></u>								
Value	Data Dictio	onary (DD) Re	ference						
1	DD Name:	IENC	Code:	watlev_1	Date accepted:	2001-05-31			
	Name:	partly subme	erged at	high water					
	Definition:	partially cov	ered and	d partially dry at high v	vater.				
2	DD Name:	IENC	Code:	watlev_2	Date accepted:	2001-05-31			
	Name:	always dry							
	Definition:	not covered	at high	water under average r	neteorological con	ditions.			
3	DD Name:	IENC	Code:	watlev_3	Date accepted:	2001-05-31			
	Name:	always unde	er water/s	submerged					
	Definition:	remains cov	vered by	water at all times und	er average meteor	rological conditions.			
4	DD Name:	IENC	Code:	watlev_4	Date accepted:	2001-05-31			
	Name:	covers and u	uncovers	3					
	Definition:	expression	intended	to indicate an area of	a reef or other pro	pjection from the bottom of a body			
		-	-	ds above and is subm 5th Edition, 1111)	erged below the s	urface. Also referred to as dries or			
8	DD Name:	IENC	Code:	watlev_8	Date accepted:	2001-05-31			
	Name:	above mear	water le	evel					
	Definition: within a ce	above a wat rtain period of		called "mean water" w	hich is the arithme	etic mean value of all water levels			
9	DD Name:	·		watlev_9	Date accepted:	2001-05-31			

Value Data Dictionary (DD) Reference

Name: below mean water level

Definition: below a water level called "mean water" which is the arithmetic mean value of all water levels within a certain period of time

Attribute	Waterway distance		
Acronym:	wtwdis	Code:	17064
Use Type:	F		
Value Type:	F		

DD Name:	IENC	Date accepted:	2001-05-31
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Definition: The distance measured from an origin of a river or canal